

# Intercomp®

## 2006 RACING PRODUCTS



ISO 9001:2000  
REGISTERED

**1.800.328.3336** USA  
**763.476.2531** Worldwide

[intercompracing.com](http://intercompracing.com)

# Intercomp®

advanced weighing technology . . . by any measure

**Gives You More Performance Products in 2006**

**SHOCK DYNAMOMETER**  
Page 11



**SW777 PROFESSIONAL SCALE SYSTEM**  
Page 5



**SW520 SW-20K SCALE**  
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**SW650R1 QUIK WEIGH SCALE**  
Page 6



**WIRELESS TIRE PRESSURE MEASUREMENT SYSTEM**  
Page 25



**SW888 WIRELESS SCALE**  
Page 9





### Our Commitment

*Intercomp is an electronics manufacturer committed to serving the high performance racing industry. We design scales and related chassis setup equipment for all forms of racing, always keeping an eye on the future. Your custom requirements are appreciated and treated with respect.*

### Industry Firsts

- A. Baseline Setup Recall™ of Weights and Percentages
- B. Low Profile Scale Pad  
2.5"/64 mm - 1500 lb (700 kg) capacity
- C. Integrated Scale System with C/G calculation and printout
- D. High Accuracy - 0.1% Scale System
- E. Digital Turn Plate
- F. Digital Caster/Camber Gauge
- G. Digital Torsion Bar Tester
- H. Digital Bump Steer Gauge
- I. Standard Serial Output
- J. Digital Shock Pressure Gauge
- K. Digital Ride Height Gauge
- L. Digital Leaf Spring Tester
- M. Tire Drying/Purging System
- N. 20K Scale System

### Customer Service

*To order product or have any questions answered feel free to call, fax or write:*

### Intercomp Company

3839 County Road 116  
Minneapolis, Minnesota 55340 U.S.A.

Toll Free 800-328-3336 U.S.A.

Phone: 763-476-2531 Worldwide and Local

Fax: 763-476-2613 Worldwide

E-mail: [highperf@intercompco.com](mailto:highperf@intercompco.com)

Web site: [intercompracing.com](http://intercompracing.com)

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# 7

## Reasons Why Intercomp is Your Only Choice for All of Your Scaling Needs!

| Specs                            | Intercomp       | Brand X       |
|----------------------------------|-----------------|---------------|
| <b>1</b> Scale Pad Construction  | Billet Aluminum | Cast Aluminum |
| <b>2</b> Flatness                | 0.015           | 0.050         |
| <b>3</b> Certified Calibration   | 0.1%*           | None          |
| <b>4</b> Military Spec Connector | YES             | NO            |
| <b>5</b> Heavy Duty Cabling      | YES             | NO            |
| <b>6</b> Battery                 | 9V              | Custom        |
| <b>7</b> Warranty                | FULL 2-YEAR     | LIMITED       |

\* Calibration sheet available upon request

### Scale System Technology from Intercomp

Precise weight distribution is critical to on-track success. To make sure your weight percentages are correct, you need the best computerized scale system. Proper chassis setup separates the front runners from the followers. Intercomp Scales provide the necessary data for any racer to become a chassis expert!

OFFICIAL TECH SCALES FOR ADBA, ARCA, I.M.C.A., DIRT, NTB Trans-Am/World Challenge, CASCAR, UMP, AMA, IDBA, MASCS, CORR, WKA, Indiana Late Model Series, All Star Sprints, INEX 600 Racing, N.A.L.M.S. and NAMARS.

All Intercomp load cells and scale systems are tested, calibrated and certified to the regulations set forth by the *National Institute of Standards and Technology*. Accuracy is 1/10 of 1% on every scale system. These regulations include: temperature range, accuracy, repeatability, humidity, R.F.I./E.M.I. interference and permanence.

All Intercomp scale pads are manufactured from billet aluminum on high speed CNC machining and turning centers to maintain the tightest tolerances and finest product finish available.

Intercomp manufactures the industry's only billet 2.5" (64 mm) low profile scale pad with 1,500 lb (700 kg) capacity each, or 6,000 lb (2,800 kg) per system. Custom heavy-duty color coded cabling with twisted/braided pairs and low durometer characteristics are functional in the most demanding environments. High quality, recessed military grade connectors guarantee a solid connection to the control box every time.



**World's Strongest Billet Pads**



**SW500™ E-Z Weigh Scale™**  
Part # 170125



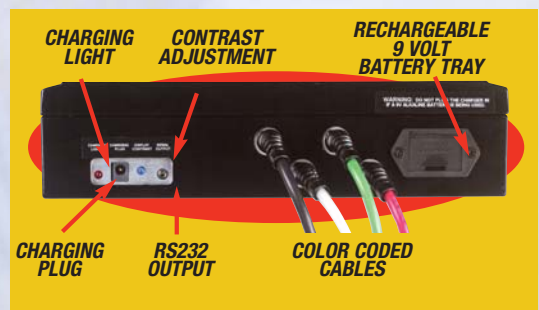
**SW650R1™ Quik Weigh Scale™**  
Part # 170126

**New Functionality!**



**SW777™ Professional Scale™**  
Part # 170127

RCMS Software, Case and Serial Cable Included!



### Technical Specifications

**Performance:**  
**Accuracy:** ±0.1% of applied load  
**Calibration:** Keypad  
**Units:** lb (kg)  
**Ambient:**  
**Humidity:** 10 to 95% non-condensing  
**Temperature:** Operating 14°F to 130°F (-10°C to 54°C)

**Scale Pad:**  
**Physical:**  
**Overall Dimensions:** 15 x 15 x 2.5 inches (380 mm x 380 mm x 64 mm)  
**Weight:** 21 lb (9.5 kg)  
**Material:** Billet aluminum  
**System Capacity:** 6,000 lb (2,800 kg)  
**Graduation:** 1 lb (0.5 kg)

# SW777™ Professional Scale

Part # 170127

**NEW**

## Complete Scale System

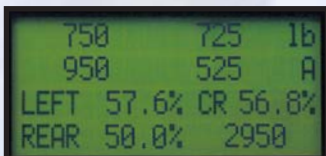
- Billet Pads
- One Touch Indicator
- Race Car Management Software
- Pad Storage Case
- Serial Cable for PC

**15" x 15" Billet Pads**

**MEMORY STORAGE**

- Stores 100 Chassis Setups
- Baseline Setup Recall
- Center of Gravity Calculation
- User Selectable Display Modes
- 15" x 15" Billet Pads
- 1,500 lb (700 kg) Pad Capacity
- 6,000 lb (2,800 kg) System Capacity
- Certified to 0.1% Accuracy
- Giant 1/2" Display Characters
- Backlit Display
- Standard 9-volt Battery Operation
- 2.5 inch Low Profile Pads
- Serial Output

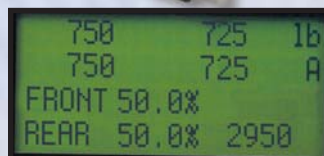
**FEATURES Custom Displays:**  
Oval Track, Nextel Cup/Busch, Road Racing, Dirt Track & Drag/Rally



1: Oval Track



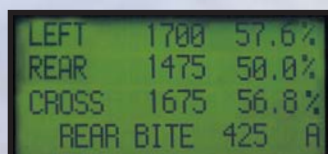
3: Road Racing



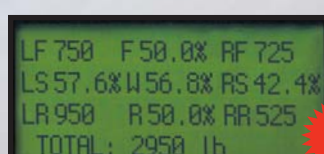
5: Drag/Rally



2: Nextel Cup/Busch



4: Dirt Track



6: All Weights & Percentages

**All Weights & Percentages Displayed On One Screen!**

**NEW**

[intercompracing.com](http://intercompracing.com)

# SW650R1™ Quik Weigh Scale

Part # 170126



**15" x 15"  
Billet Pads**

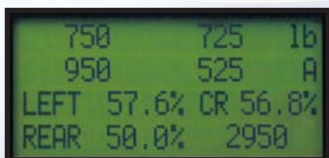
**New Indicator Functionality!**

**MEMORY  
STORAGE**

**Full  
2 Year  
Warranty**



**FEATURES Custom Displays:**  
Oval Track, Nextel Cup/Busch, Road Racing,  
Dirt Track & Drag/Rally



1: Oval Track



2: Nextel Cup/Busch



3: Road Racing



4: Dirt Track



5: Drag/Rally

## All Weights & Percentages Displayed On One Screen

- Stores 100 Chassis Setups
- Baseline Setup Recall
- User Selectable Display Modes
- View ANY Combination of Scale Pad Weight & Percentage
- Center of Gravity Calculation
- 15" x 15" Billet Pads
- 1,500 lb (700 kg) Pad Capacity
- 6,000 lb (2,800 kg) System Capacity
- Certified to 0.1% Accuracy
- Giant 1/2" Display Characters
- Backlit Display
- Standard 9-volt Battery Operation
- 2.5 inch Low Profile Pads
- Serial Output



Ken Schrader  
Team Owner-Ken Schrader Racing

# SW500™ E-Z Weigh Scale

Part # 170125

15" x 15"  
**Billet Pads**

Full  
2 Year  
Warranty



**Precise weight distribution is critical to on-track success.**

To make sure your weight percentages are correct, you need the best computerized scale system. Proper chassis setup separates the front runners from the followers. Intercomp scales provide the necessary data for any racer to become a chassis expert.

| Specs                   | Intercomp       | Brand X       |
|-------------------------|-----------------|---------------|
| Scale Pad Construction  | Billet Aluminum | Cast Aluminum |
| Flatness                | 0.015           | 0.050         |
| Certified Calibration   | 0.1%*           | None          |
| Military Spec Connector | YES             | NO            |
| Heavy Duty Cabling      | YES             | NO            |
| Battery                 | 9V              | Custom        |
| Warranty                | FULL 2-YEAR     | LIMITED       |

\* Calibration sheet available upon request

**Large Easy to Read Display of Weights & Percentages**

### BEST FEATURES IN CLASS

- 15" x 15" Billet Pads
- 1,500 lb (700 kg) Pad Capacity
- 6,000 lb (2,800 kg) System Capacity
- Certified to 0.1% Accuracy
- Giant 1/2" Display Characters
- Backlit Display
- Standard 9-volt Battery Operation
- 2.5 inch Low Profile Pads
- Military Grade Cables & Connections

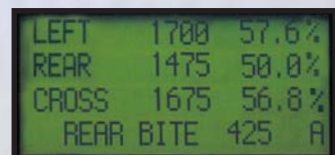
**FEATURES Custom Displays:**  
Total Display, Percentage Display,  
Dirt Track & Total Weight



Total Display Mode



Percentage Display Mode



Dirt Track



Total Weight

# SW-818K™ 8,800 lb CAPACITY! Professional Scale

Part # 170129  
Part # 170129-D  
(Quick Disconnect Cables)

**15" x 15"**  
**Billet Pads**

**FEATURES Custom Displays:**  
Oval Track, Nextel Cup/Busch, Road Racing,  
Dirt Track & Drag/Rally



1: Oval Track



2: Nextel Cup/Busch



3: Road Racing



4: Dirt Track



5: Drag/Rally



6: All Weights & Percentages

**NEW**



**MEMORY STORAGE**



**Ultra Flat, High Precision**

**Billet Pads**

- Stores 100 Chassis Setups
- Baseline Setup Recall
- Center of Gravity Calculation
- User Selectable Display Modes
- 15" x 15" x 4" Billet Pads
- 2,200 lb (1,000 kg) Pad Capacity
- 8,800 lb (4,000 kg) System Capacity
- Certified to 0.1% Accuracy
- Giant 1/2" Display Characters
- Backlit Display
- Standard 9-volt Battery Operation
- Military Grade Cables & Connections
- Serial Output

**OVERALL DIMENSIONS:** 15" L x 15" W x 4" H  
(380 mm x 380 mm x 100 mm)

**WEIGHT:** 34 lb (15.4 kg)

**MATERIAL:** Aluminum

**SYSTEM CAPACITY:** 8,800 lb (4,000 kg)

**PAD CAPACITY:** 2,200 lb (1,000 kg)

# SW520™ 20,000 lb CAPACITY! SW-20K Scale

Part # 170151

High capacity, portable scale system is ideal for wind tunnel testing, weighing trailers, tractors, coaches, mobile homes, and other large wheeled vehicles. This system has a capacity of 20,000 lb (10,000 kg) and eliminates the need to guess your corner weights. Includes four 5,000 lb (2,500 kg) pads, indicator, charger and case.



20,000 X 1lb Graduation!

**Best Features in Class**

- 5,000 lb (2,500 kg) Capacity Pad
- 20,000 lb (10,000 kg) System Capacity
- Military Grade Cables & Connections
- Certified to 0.1% Accuracy
- Serial Output
- Giant 1/2" Display Characters
- 15" x 15" x 4"
- (380mm x 380mm x 100mm) Billet Pads
- Standard 9 Volt Battery Operation

| Specs                   | Intercomp       | Brand X       |
|-------------------------|-----------------|---------------|
| Scale Pad Construction  | Billet Aluminum | Cast Aluminum |
| Flatness                | 0.015           | 0.050         |
| Certified Calibration   | 0.1%*           | None          |
| Military Spec Connector | YES             | NO            |
| Heavy Duty Cabling      | YES             | NO            |
| Battery                 | 9V              | Custom        |
| Warranty                | FULL 2-YEAR     | LIMITED       |

\* Calibration sheet available upon request

**1-800-328-3336**



# SW888™ Wireless Pro Scale

Part # 170154



**15" x 15"  
Billet Pads**



**Handheld  
Wireless**

- 15" x 15" x 2.5" Deluxe Billet Pads
- 1,500 lb (700 kg) Pad Capacity
- 6,000 lb (2,800 kg) System Capacity

**Optional Race Car Management  
Software & Thermal Printer!**

## Weigh Wireless with Intercomp!

Intercomp's new Wireless Pro system combines the ultra accurate Limited Edition Deluxe Billet Scale Pads with Intercomp's advanced wireless technology.

System includes a handheld PDA with chassis setup software, four billet scale pads with wireless nodes to transmit data from the pads to the PDA.

### Included with system:

- PDA
- 5 wireless nodes
- 5 battery chargers
- Rechargeable batteries



# Make better chassis tuning decisions...

NEW



Part # 102065

Intercomp's Race Car Management Software organizes information for easy future interpretation and is the key to consistent on-track success. Intercomp's Windows-based Race Car Management Software provides the ability to systematically record and retrieve this all-important information, helping your team be more successful from week to week and track to track. Compatible with Windows 98®, NT®, 2000® and XP®.

**Primary Screens:**

1. Chassis Geometry
2. Setup "Handling" Package
3. Weight and Balance
4. Track and Weather Conditions
5. Performance Analysis
6. Tire & Shock Management
7. Engine Information
8. Lap Timer



SW650/777/888 Scale Systems

Race Car Management Software  
Accessories page 28

## Race Car Management Software from Intercomp Record & organize chassis data like never before!

- Direct computer interface with Intercomp Scale Systems
- Weight, balance & center of gravity calculator
- Complete tire temperature & pressure analysis
- Four vehicle timers with complete session/race analysis
- Search and/or sort setups by selected criteria
- Stack complete setup records to compare parameters
- Print detailed easy-to-read reports
- Over 100 pre-installed tracks with specifications
- Comprehensive "how-to" section with tips and help screens
- Interfaces with SW888 Wireless Scale
- Download additional Tracks and Information

CAN BE USED WITH OR WITHOUT A COMPUTER

# Shock Dynometer

## Features:

Part # 102062 (Fixed Speed Motor)



Intercomp Shock Analysis Software

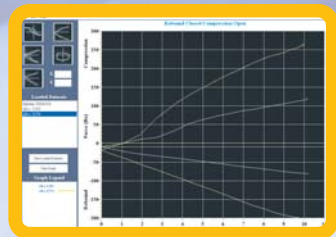


- TEST BY TIME OR TEMP
- SCOTCH YOKE SYSTEM
- USER FRIENDLY, EASY TO OPERATE
- DUAL DISPLAY CONCURRENTLY SHOWS: Compression, Rebound, Speed, Time and Temperature
- SELECTABLE 1.0, 1.5, 2.00 OR 2.25 INCH STROKE
- SERIAL OUTPUT FOR USE WITH SHOCK ANALYSIS PROGRAM
- GRAPH UP TO 10 SHOCKS FOR COMPARISONS
- 14-BIT A/D CONVERTER FOR COMPRESSION AND REBOUND MEASUREMENT
- TYPE-K THERMOCOUPLE TEMPERATURE SENSOR
- SOFTWARE COMPATIBLE WITH WINDOWS 98®, NT®, 2000® AND XP®
- RUNS ON 120V POWER
- 2,000 LB LOAD CELL
- RECORDS @ 12 INCHES PER SECOND

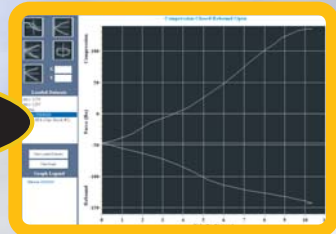


Part # 102062-S  
(Fixed Speed Motor & Software)

Part # 102060  
(Variable Speed Motor & Software)



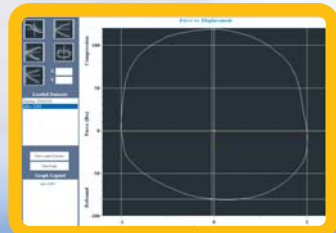
Compare Shocks



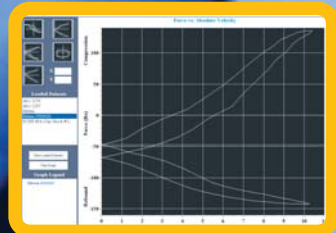
Compression Closed/Rebound Open

| Value | CC  | RC  | OC | BO | CA | RA |
|-------|-----|-----|----|----|----|----|
| 0.0   | 200 | 200 | 13 | 13 | 20 | 20 |
| 0.5   | 180 | 180 | 15 | 15 | 20 | 20 |
| 1.0   | 160 | 160 | 17 | 17 | 20 | 20 |
| 1.5   | 140 | 140 | 19 | 19 | 20 | 20 |
| 2.0   | 120 | 120 | 21 | 21 | 20 | 20 |
| 2.5   | 100 | 100 | 23 | 23 | 20 | 20 |
| 3.0   | 80  | 80  | 25 | 25 | 20 | 20 |
| 3.5   | 60  | 60  | 27 | 27 | 20 | 20 |
| 4.0   | 40  | 40  | 29 | 29 | 20 | 20 |
| 4.5   | 20  | 20  | 31 | 31 | 20 | 20 |
| 5.0   | 0   | 0   | 33 | 33 | 20 | 20 |
| 5.5   | 0   | 0   | 35 | 35 | 20 | 20 |
| 6.0   | 0   | 0   | 37 | 37 | 20 | 20 |
| 6.5   | 0   | 0   | 39 | 39 | 20 | 20 |
| 7.0   | 0   | 0   | 41 | 41 | 20 | 20 |
| 7.5   | 0   | 0   | 43 | 43 | 20 | 20 |
| 8.0   | 0   | 0   | 45 | 45 | 20 | 20 |
| 8.5   | 0   | 0   | 47 | 47 | 20 | 20 |
| 9.0   | 0   | 0   | 49 | 49 | 20 | 20 |
| 9.5   | 0   | 0   | 51 | 51 | 20 | 20 |
| 10.0  | 0   | 0   | 53 | 53 | 20 | 20 |

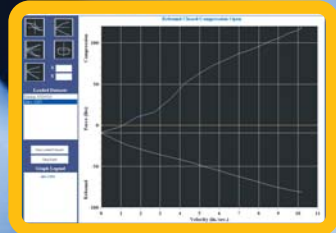
Data Points



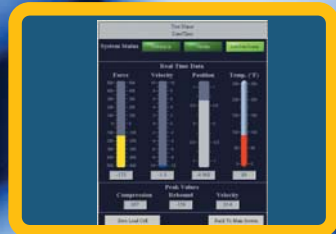
Force vs Displacement



Force vs Absolute Velocity



Compression Open/Rebound Closed



Realtime Data

SW777™

# Professional Kart Scale

Part # 170132



Official Tech Scale of WKA

Billet KART Scale Systems

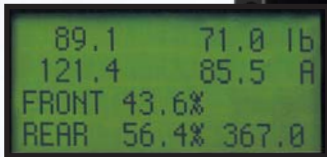
**NEW** 10" x 10" Billet Pads

MEMORY STORAGE

**FEATURES Custom Displays:**  
Oval Track, Kart Track, Road Racing, Dirt Track & Drag/Rally



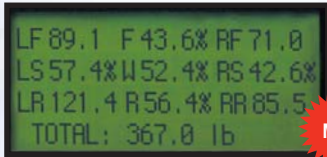
1: Oval Track



5: Drag/Rally



2: Kart Track



6: All Weights & Percentages



3: Road Racing



4: Dirt Track

| Specs                   | Intercomp       | Brand X       |
|-------------------------|-----------------|---------------|
| Scale Pad Construction  | Billet Aluminum | Cast Aluminum |
| Flatness                | 0.015           | 0.050         |
| Certified Calibration   | 0.1%*           | None          |
| Military Spec Connector | YES             | NO            |
| Heavy Duty Cabling      | YES             | NO            |
| Battery                 | 9V              | Custom        |
| Warranty                | FULL 2-YEAR     | LIMITED       |

\* Calibration sheet available upon request

## INTERCOMP Introduces the Newest & Easiest Ways to Scale Your KART!

- 10" x 10" Billet Pads
- 400 lb (200 kg) Pad Capacity
- 1,600 lb (800 kg) System Capacity
- Certified to 0.1% Accuracy
- Giant 1/2" Display Characters
- Backlit Display
- 2-year Full Warranty
- Standard 9-volt Battery Operation
- 4-bolt Load Cell Design
- Stores 100 Chassis Setups
- Baseline Setup Recall
- Center of Gravity Calculation
- User Selectable Display Modes
- Serial Output

**Ideal for Karts, Legends Cars, Bandoleros and Vehicles under 1600 lbs.**

# SW650™ Quik Weigh Kart Scale

Part # 170131



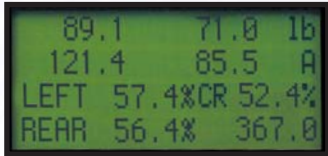
Official Tech  
Scale of WKA

10" x 8"  
**Billet Pads**



**MEMORY STORAGE**

**FEATURES Custom Displays:**  
Oval Track, Kart Track, Road Racing,  
Dirt Track & Drag/Rally



1: Oval Track



2: Kart Track



3: Road Racing



4: Dirt Track



5: Drag/Rally

- 10" x 8" Billet Pads
- 400 lb (200 kg) Pad Capacity
- 1,600 lb (800 kg) System Capacity
- Certified to 0.1% Accuracy
- Giant 1/2" Display Characters
- Backlit Display
- Serial Output
- Standard 9-volt Battery Operation
- 4-bolt Load Cell Design
- Stores 16 Chassis Setups
- Baseline Setup Recall
- View ANY Combination of Scale Pad Weight & Percentage

**All Weights  
& Percentages  
Displayed On  
One Screen**

**2-year  
Full Warranty**



Roger Paggett  
Welch Performance

[intercompracing.com](http://intercompracing.com)

Billet Kart Scale Systems

# SW500™ E-Z Weigh Kart Scale

Part # 170130



Official Tech  
Scale of WKA



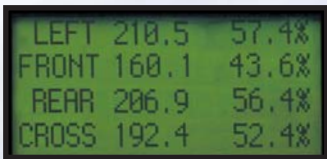
**10" x 8"**  
**Billet Pads**



**FEATURES Custom Displays:**  
Total, Percentage,  
Dirt Track & Total Weight



**Total Display Mode**



**Percentage**



**Dirt Track**



**Total Weight**

Compact 10" x 8" x 2" (250mm x 200mm x 50mm) pad with a 400 lb (200 kg) capacity per pad, 1600 lb (800 kg) system capacity.

Readout in 0.1 lb (0.05 kg) increments. 120 or 220 volt battery charger, heavy duty cabling and control box case included. Mil-spec recessed connectors.

**BEST FEATURES IN CLASS!**

- 10" x 8" Billet Pads
- 400 lb (200 kg) Pad Capacity
- 1,600 lb (800 kg) System Capacity
- Certified to 0.1% Accuracy
- Giant 1/2" Display Characters
- Backlit Display
- Standard 9-volt Battery Operation
- 4-bolt Load Cell Design

| Specs                   | Intercomp       | Brand X       |
|-------------------------|-----------------|---------------|
| Scale Pad Construction  | Billet Aluminum | Cast Aluminum |
| Flatness                | 0.015           | 0.050         |
| Certified Calibration   | 0.1%*           | None          |
| Military Spec Connector | YES             | NO            |
| Heavy Duty Cabling      | YES             | NO            |
| Battery                 | 9V              | Custom        |
| Warranty                | FULL 2-YEAR     | LIMITED       |

\* Calibration sheet available upon request



**NEW**

**1/8 Degree Readout**

**BILLET KART BUBBLE CAMBER-ONLY GAUGE**

- Part # 102136 – w/Magnetic Adapter & Case
- Part # 102137 – w/5/8" Kart Adapter & Case
- Part # 102138 – w/Case (No Adapter)

CNC machined billet aluminum housing with easy-to-read bubble display. Measures -6 to +6 degrees of camber.

**BILLET KART BUBBLE CASTER/CAMBER GAUGE**

- Part # 102040 – w/5/8" Fine Thread Adapter
- Part # 102041 – w/14/17 mm Thread Adapter



**Robin Bradshaw  
Competition Karting Inc.**

**KART SETUP RACK**

Intercomp's Kart Setup Rack provides the means to establish a level setup area. Accommodates all 8" and 10" scale pads and handles most any wheelbase and track width. Constructed of high strength aluminum, assembles quickly and is compact for easy storage.

**OVAL KART SETUP RACK**

Part # 102035

**Dimensions:**  
54.75" x 45" (1390mm x 1145 mm)

**SHIFTER KART SETUP RACK**

Part # 102002

**Dimensions:**  
54.75" x 57" (1390 mm x 1450 mm )



**Double Bar Support**

**TIRE TESTER**

Part # 100452 — **KART**

Force capacity is 250 lb (125 kg). Dial in your tire spring rate to optimize handling characteristics. Identifying sidewall spring rate adds another dimension to your chassis tuning abilities. Backlit for night use.



**BOLT-ON KART CHASSIS ALIGNMENT SYSTEM**  
Part # 100677

The key to setup consistency is the baseline. When incorporating the front toe plates with Intercomp's bolt-on rear alignment plates, a first class four-plate alignment and setup system is created. This system provides EXACT baseline recall for setting toe, four wheel squareness and wheel offsets. Will accommodate Standard U.S. hubs 3 on 2.5 inch bolt circle (1/4 and 5/16 stud), Standard International sizes 3 on 58 mm and 3 on 67 mm bolt circle.

**Front Toe Plates: 6.7"H x 10"W. Rear Plates: 10" diameter.**



**DIRECT SPINDLE MOUNT ADAPTER**

Part # 100783

This adapter is used in conjunction with the Kart Toe Plates or Alignment System if Kart has a 17 mm or 5/8 inch direct spindle mount front end.



**BOLT-ON KART TOE PLATES**

Part # 100674

Intercomp's bolt-on front toe plates allow for quick and easy setting of toe and also provides a means of obtaining other nominal measurements for quick "post-crash" analysis. Will accommodate Standard U.S. hubs 3 on 2.5 inch bolt circle (1/4 and 5/16 stud), Standard International sizes 3 on 58 mm and 3 on 67 mm bolt circle.

**Dimensions: 6.7H x 10W.**



## SCALE PAD LEVELER WITH ROLL-OFF PAD (one-piece)

**NEW**

**EXCLUSIVE Five-Point Design**

Part # 170133 (Set of 4) for 2.5" profile pads  
 Part # 170138 (Set of 4) for 4" profile pads  
 Designed to fit any 15" scale pad with either a 2.5" or 4" pad thickness. Enables the car to be rolled off the scale pad and back on with little effort. Aluminum construction.

**Dimensions:** 31" x 15.5" (787 mm x 395 mm)



### SCALE RAMP Part # 100342 (Set of 4)

Low Profile ramp for 2.5" (64 mm) scale pads. 15" x 15" (380 x 380 mm) lightweight aluminum design complements all scale systems.

### SCALE PAD LEVELER Part # 100344 (Set of 4)

For any 15" x 15", 2.5" or 4" profile scale pad. High quality steel construction with a powder coat finish.



**Dimensions:** 15.5" x 15.5" (395mm x 395mm)

**NEW**

### LASER LEVELING SYSTEM FOR SCALE PADS Part # 102018

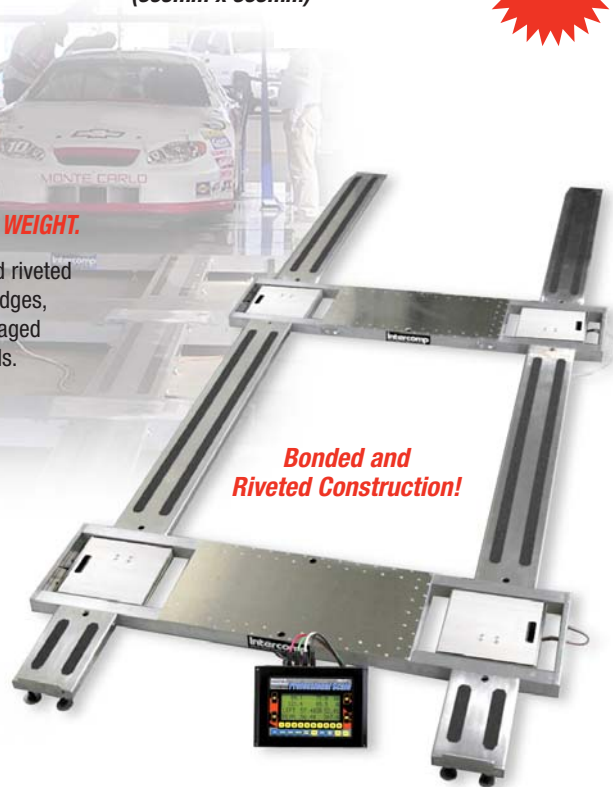
Take all the guesswork out of leveling four weigh pads, roll off pads or drive - on setup racks. Laser sighting with virtually an unlimited range. Can be used with all scale systems.

### DRIVE-ON SCALE SETUP RACK

**Please include the following measurements when ordering:  
 WHEEL BASE, TRACK WIDTH (F&R), FRONT GROUND CLEARANCE & CAR WEIGHT.**

Manufactured from T6 - 6061 aluminum. Stainless steel fittings, bonded and riveted construction for virtually zero flex. Basic platform includes two pontoons, bridges, up-ramps, front roll-offs and leveling feet. Fast 15 minute setup, easily managed components weighing less than 70 lbs. each. Available for 2', 2.5" and 4" pads.

- Part # 102003 - 1600 lb, 4" Ramps & Bridges, 10" x 2" Pads
- Part # 102004 - 4000 lb, 10" Ramps & Bridges, 15" x 4" Pads
- Part # 102023 - 3000 lb, 6" Ramps & Bridges, 15" x 2.5" Pads
- Part # 102024 - 4000 lb, 10" Ramps & Bridges, 15" x 2.5" Pads
- Part # 102025 - Down Ramps for Scale Rack - 4" - (Set of 2)
- Part # 102026 - Down Ramps for Scale Rack - 6" - (Set of 2)
- Part # 102027 - Down Ramps for Scale Rack - 10" - (Set of 2)
- Part # 102017 - Custom Dimensions
- Part # 102059 - Steel Swivel Feet (Set of 12)



**Bonded and Riveted Construction!**





**DIGITAL TURN PLATE w/ X-Y Axis Movement**

Part # 100340 (Set of 2)

Measure wheel angle with the industry's first digital turn plate. Large easy to read electronic display, 0.1 degree graduation. Digital design with range of  $\pm 30^\circ$  ( $60^\circ$  total). Ten times more accurate than conventional models. Engineered to meet the most demanding requirements. Powered by a standard 9V alkaline battery. Lightweight, aerospace grade aluminum. It enables you to take several easy measurements that can be used for alignment including caster/camber, Ackerman, rear axle roll steer. Can be placed on top of scale pads.

**Dimensions: 13" x 15" x 1.5" (330 mm x 380 mm x 38 mm)**



**MECHANICAL TURN PLATE w/ X-Y Axis Movement**

Part # 102007 (Set of 2)

Same construction as Intercomp's premier digital turn plate, but utilizes precise CNC machined numbers to indicate from  $-35$  to  $+35$  degrees. Three levels of metal roller bearings with a high-friction top surface that eliminates tire slippage. Can be upgraded to digital readout. Can be zeroed with car in place.  
*No plastic rollers or plastic bearings.*

**Dimensions: 13" x 15" x 1.5" (330 mm x 380 mm x 38mm)**



**1/2 degree Increments  
- 2,000 lb Capacity**

**HIGH STRENGTH  
METAL BEARINGS  
No Plastic Rollers or  
Plastic Bearings!**



**TURN PLATE REAR SPACER**

Part # 100339 (Set of 2)

Maintain proper weight distribution by keeping the rear level with the front turn plates. Lightweight, aerospace grade aluminum.

**Dimensions: 15" x 15" x 1.5" (380 mm x 380 mm x 38mm)**

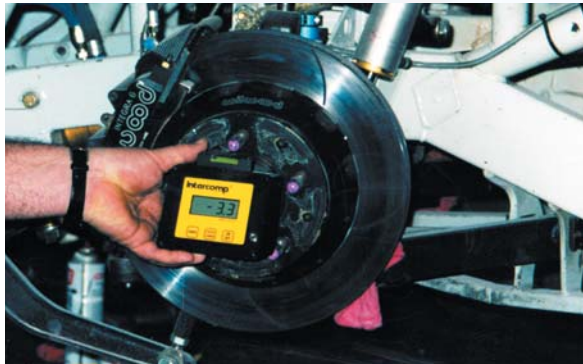


# DIGITAL

- Industry's first digital, high performance, easy to use caster/camber gauge
- Indicates to 1/10° and has a ± 20° caster/camber reading.
- Up to 10 times greater accuracy than traditional bubble gauges.
- Standard 9-volt battery gives up to 100 hours of operation.
- Lightweight, aluminum design with auto shutoff and self-leveling camber are standard.



**DIGITAL CASTER/CAMBER GAUGE with Backlight**  
 Part # 100005 - w/Case & Magnetic Adapter  
 Part # 100008 - w/Case (No Adapter)



**DIGITAL CASTER/CAMBER GAUGE**  
 with NASCAR Magnetic Adapter  
 Part # 100793



**RIM CLAMP**  
 Part # 100007 AUTO 18" (457mm)  
 Part # 100009 TRUCK 25" (535 mm)  
 Commercial grade clamp fits most any size rim. Rugged design with two types of clamps guarantees a secure fit. Use our Digital or Bubble Caster/Camber gauge with a magnetic adapter to complement this front end tool.  
*Perfect for repair shops and sports cars with expensive aluminum wheels.*



**DIGITAL BUMP STEER GAUGE**  
 Part # 102008 Digital Travel  
 Part # 102014 Ruler Travel

The first bump steer gauge that provides digital travel indication. Two dial indicators, a sturdy anti-slip "T" base with leveling feet and a leveling bubble. No pivot or heim joints to induce error. Standard hub plate works with most 5-bolt patterns from 4.5 to 5 inches and Wide-5. Our gauge can be used with a standard floor jack or bottle jack. Also available with ruler travel indication.

**BLANK Hub Plate for Bump Steer Gauge**  
 Part # 102019

**LEGENDS CAR Hub Plate for Bump Steer Gauge**  
 Part # 102029



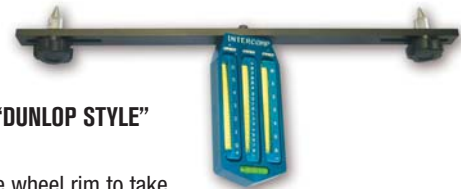
**Martin Short**  
 Driver, Rollcentre Racing Ltd.



**CNC Machined Aluminum  
BILLET BUBBLE CASTER/CAMBER GAUGE**

Part # 102010 - w/Case & Magnetic Adapter  
Part # 102011 - w/Case (No Adapter)

CNC machined aluminum housing with easy-to-read bubble display. Measures -6 to +6 degrees of camber and -8 to +8 degrees of caster with 0.2 degree accuracy. **Industry's highest accuracy bubble gauge.**



**WHEEL ADAPTER "DUNLOP STYLE"**

Part # 360101

Place fixture on the wheel rim to take Caster/Camber measurements. Works on 13" to 17" wheel. Use with Bubble Caster/Camber Gauge # 102011 or Digital Caster/Camber Gauge # 100008 (not included).



**WILWOOD - STEEL WIDE FIVE DUST COVER**  
Part # 170139



**BERT - STEEL WIDE FIVE DUST COVER**  
Part # 170140  
Steel machined wide five dust cover for magnesium hubs. For use with caster/camber gauges that have magnetic adapters.

**MECHANICAL LIQUID-FILLED ANGLE FINDER  
w/Magnetic Base**

Part # 360051

An economical tool to verify A-frame and shock angle, as well as pinion, upper link and trailing arm angle. Magnetic base enables you to verify angles in tight areas. Excellent for measuring spoiler angles. Ball bearing design eliminates hangups.



**TOE PLATE**

Part # 102009 (Set of 2)

Two high-strength, lightweight aluminum plates for quick, easy and accurate toe measurements. Includes (2) tapes.



**ADAPTERS\***

|               |                                 |                   |
|---------------|---------------------------------|-------------------|
| Part # 100006 | Magnetic                        | 3"OD - 1.55"ID    |
| Part # 100000 | GM                              | .750 - 20 UNEF    |
| Part # 100001 | Big Ford                        | .813 - 20 UNEF    |
| Part # 100002 | Wide Five                       | 1.813 - 16 UN     |
| Part # 102055 | Wide Five for Digital C/C Gauge |                   |
| Part # 100003 | SCP                             | .844 - 20 UNF     |
| Part # 100020 | Small Ford                      | .750 - 16 UNF     |
| Part # 100013 | Toyota/Legends                  | 19 mm - 1.5       |
| Part # 100014 | Kart - U.S.                     | .625 - 18 UNF     |
| Part # 100189 | Magnetic/NASCAR                 | 2.25"OD - 1.55"ID |
| Part # 100794 | Sprint Car                      | 1.188 - 16 UNF    |
| Part # 100456 | Kart                            | .50 - 13 UNC      |
| Part # 100457 | Kart - Metric                   | 17/14 mm - 1.5    |
| Part # 100458 | Blank                           |                   |

Part # 100788 Kart Spindle Adapter for Magnet .625 - 18 UNF

Part # 100789 Kart Spindle Adapter for Magnet 17/14 mm - 1.5

Part # 102074 Bandolero Spindle Adapter for Magnet



Spindle Adapter

\* Can be used with most brands of C/C Gauges.

**VALVE SEAT PRESSURE TESTER**

Part # 100450

New digital tester is ideal for checking valve seat pressure on an assembled engine. Precision 5.0 lb/kg increments can detect a fatigued, broken or misaligned spring. Easy method to maintain a valve train. Can be used on most wedge engines with rocker shafts and aluminum rockers. Battery operated (9V). Four position adjustment and peak hold for hard to read areas. Backlit for night use.

**Capacity range: 0-500 lb (250 kg)**

**VALVE SPRING TESTER**

Part # 100058

Portable, digital force and travel indication, battery powered (9V) with 300 hour battery life. High accuracy and repeatability. Peak hold feature saves maximum reading. Pushbutton on/off and zero makes this unit user friendly. Excellent for valve, clutch, shock and pressure relief springs up to 2" (50 mm) in diameter. Readout in 0.2 lb (kg) increments. Backlit for night use.

**Accuracy:  $\pm 0.25\%$  of reading.**

**Capacity range: 0-1,000 lb (500 kg)**

**Travel: 4" (100 mm)**

**DIGITAL TORQUE WRENCH TESTER**

Part # 102028

*When your torque wrench is set at 35 ft lb, is it really clicking at 35 ft lb?* Peak Hold feature saves the maximum reading. The range of the digital display is 200 ft lb in 1.0 increments. Pushbutton conversion from ft lb to in lb and Nm. Accommodates 1/2" torque wrench and operates on a standard 9V battery.

**Accuracy:  $\pm 0.25\%$  of reading. Range: 0-200 ft. lb.**

**FASTER LAP TIMES  
Better Handling**

**TIRE TESTER**

Part # 100452

Force capacity is 2,500lb (1,250 kg). Dial in your tire spring rate to optimize handling characteristics. Identifying sidewall spring rate adds another dimension to your chassis tuning abilities. Backlit for night use.

**DIGITAL LEAF SPRING TESTER**

Part # 100453

This tester will digitally determine the spring rate of Leaf Springs up to 2,000 lbs in 1 lb increments and can measure up to four inches of travel with an electronic digital indicator. Leaf springs are rated just as they are positioned in a car, with one end fixed and free at the two other points. Tests leaf springs up to 58" (1473 mm) in length.

**Recommended by the leading spring manufacturers in the world.**

**DIGITAL COIL SPRING TESTER**

Part # 100059 5,000 lb (2,500 kg) Capacity

Part # 100061 2,000 lb (1,000 kg) Capacity

Portable, digital force and travel indication, battery powered (9V). Large .5" / 13 mm display, knurled pressure relief knob and peak hold feature. Stop guessing, now you can pinpoint spring rates to determine high accuracy splits and enhance chassis tuning. Quick single pin vertical adjustment allows almost any spring to be rated. Handles flat/coil-over springs up to 6" (150 mm) in diameter by 18" (457 mm) high. Optionally to 30" (760 mm). Readout in 1 lb (kg) increments.

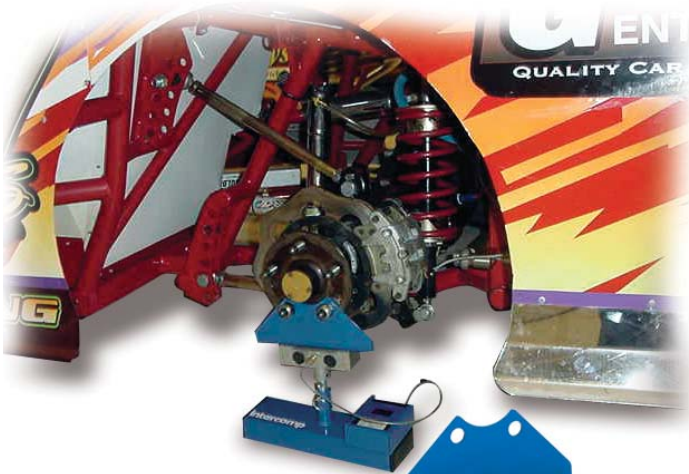
**Accuracy ±0.25%.**

**Capacity range:**

**0-5,000 lb (2,500 kg)**

**and 0-2,000 lb (1,000 kg)**

**Travel: 4" (100 mm)**



**HUB-MOUNTED CORNER WEIGHT SCALE**

Part # 102030 – 5 x 5

Part # 102033 – Wide 5

(Specify if other hub size)

Part # 803039 – Wide 5 Plate

Part # 803040 – 5 x 5 Plate

It is now possible to change springs at the track without affecting the corner weights or percentages. Simply secure this unit to the hub via the wheel studs, turn it on and lower the vehicle to the ground. Record the reading from the digital display, then make the spring change. Finally, adjust the weight jack bolt or coil over nut until the digital display matches the starting value. Works great on asphalt or unimproved surfaces.

**Minimum Height: 8 1/2"**

**Maximum Height: 12 1/2"**

**Capacity: 1,500 x 1 lb**

**Accuracy: 0.25% of applied load**



*"Since 1992 we have relied on Intercomp products to help us win National Championships. The valve spring tester, digital air gauge and motorcycle scales are invaluable to our race team."*

Don Tilley  
Tilley Harley-Davidson, Inc.

**Cycle Products**



**SW MOTORCYCLE SCALE SYSTEM**

Part # 100328

Dual pad system with large readout is ideal for the serious racer. Used by ADBA, A.M.A., F.I.M., IDBA and most professional race organizations. Displays front and rear wheel weights, total weight, plus percentages. Quick and easy to operate. Up to 1/10 of 1% accuracy with excellent repeatability. Readout in 0.1 lb (0.05 kg) increments. Nicad battery, 120 or 220 volt charger, lb (kg) conversion, heavy duty cabling and control box case included.

- 500 lb (250 kg) Capacity Pad
- 1,000 lb (500 kg) System Capacity

**FORK SPRING TESTER RETROFIT KIT**

Part # 100062

Kit includes a load cell, indicator and fork spring guide tube. Quick and easy retrofit from Coil Spring to Fork Spring Tester. Battery powered (9V). Handles up to 2" (48 mm) diameter and 36" (914 mm) long fork springs. Readout in 0.1 lb (kg) increments.

**Accuracy: ±0.25%.**

**Capacity range: 0 - 200 lb (100 kg)**

**Travel: 4" (100 mm)**

**RETROFIT KIT FOR COIL SPRING TESTER**

Part # 100061 & # 100059



**DIGITAL TORSION BAR TESTER**

Part # 100451 – 48 inch

Part # 100451-A – 30 inch

**The industry's first tester that can accurately rate a torsion bar.**

Digitally measures twist of torsion bars to ± 25 degrees, and measures force at a specific degree of twist to 2,000 ft. lbs. Works with bars 18 - 48 inches in length and splines 7/8" to 2-1/2" in diameter. Custom splined adapters available. **Specify spline size when ordering.**

(1) Set of adapters included



**INFRARED LASER TEMPERATURE GUN w/Pouch**

Part # 360018-E (1022°F)

- -58 to 1022°F (-50 to 550°C)
- Accuracy ± 2% of reading
- Resolution 0.1 degree
- Backlit LCD Display
- Standard 9 volt battery



**MINI-INFRARED LASER TEMPERATURE GUN**

Part # 360084-E (518°F)

- -22 to 518°F (-30 to 270°C)
- Accuracy ± 2% of reading
- Resolution 0.1 degree
- Backlit LCD Display
- Two standard AAA batteries



**SOUND LEVEL METER w/Case**

Part # 360015

Compact meter with digital display, battery operated, self-calibrating, 0-130 db range, peak hold and variable response time. Excellent for monitoring noise levels to comply with regulations.



**TIRE DUROMETER**

Part # 360092

- Adjustable face, zero button
- Type A removable tip
- Reads from 0-100
- ASTM Certified



**TIRE DUROMETER/TIRE TREAD DEPTH GAUGE SET**

Part # 360110



**TIRE TREAD DEPTH GAUGE**

Part # 360109

- Measures tire wear in 1 mm and 1/32" increments
- Aluminum construction
- Pouch



0.5 Increments vs. Brand X's 20 lb Analog Gauges



**DIGITAL SHOCK INFLATION AND PRESSURE GAUGE**

Part # 100675 w/Case

A "must have" for optimum shock management. This unit allows quick and exact pressure settings to 300 PSI in 0.5 increments and is compatible with most any brand of shock. The thumb-operated bleeder eliminates the need to "crack" the seal to achieve desired pressure and the indicator is positioned at the end of a swivel-mounted hose to provide optimum visibility at any angle, whether the shock is in the vise or on the car. Comes standard with "schrader" valve adapter for Penske-style valve. Needle valve adapter for Ohlins-style valve is available. Great for snowmobiles, motorcycles, ATV's and Race Cars.

Part # 100678 adapter for needle valve—optional

**AIR DENSITY GAUGE w/Case**

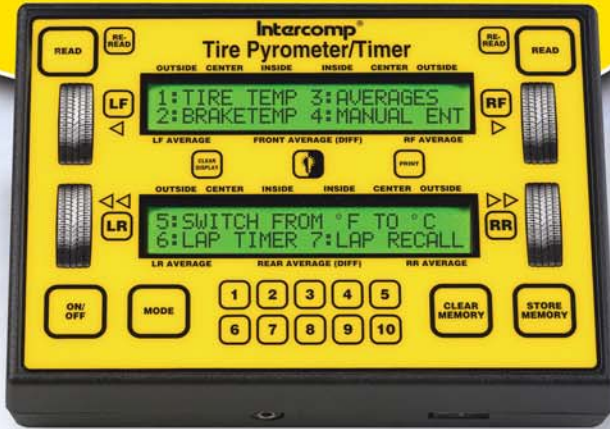
Part # 360093

Air density is the single-most important engine tuning parameter in all forms of professional motorsports because it is derived from air temperature, barometric pressure and humidity. This tool will allow you to properly tune your engine for optimum performance. Instructions and recommendations are included.



# Memory Tire/Brake Pyrometer

Part # 102034



INTERFACES WITH RACE CAR MANAGEMENT SOFTWARE PART # 102065



Memory Tire/Brake Pyrometer

## Tire & Brake temperatures tell the story!

Tire and brake temperatures are the best indicator of how a chassis is handling, but it is critical that this key information be gathered as rapidly as possible.



Average Tire Temperature Screen



Brake Temperature Screen

|     | INSIDE | CENTER | OUTSIDE |
|-----|--------|--------|---------|
| LF: | 211    | 213    | 213     |
| LR: | 213    | 213    | 202     |
| RF: | 161    | 170    | 150     |
| RR: | 182    | 185    | 180     |

| TIRE TEMPS IN DEG F |            |
|---------------------|------------|
| LR AVG:             | 209        |
| RF AVG:             | 160        |
| RR AVG:             | 182        |
| FRONT AVG:          | 186        |
| REAR AVG:           | 196 (+ 10) |
| LEFT AVG:           | 211 (+ 40) |
| RIGHT AVG:          | 171        |
| CROSS LR+RF:        | 185        |
| AVGS: RR+LF:        | 197 (+ 12) |

| BRAKE TEMPS IN DEG F      |                 |
|---------------------------|-----------------|
| BRAKE/TIRE TEMPS IN DEG F |                 |
| LF:                       | 1020            |
| LR:                       | 1114            |
| RF:                       | 1080            |
| RR:                       | 1273            |
| FRONT AVG:                | 1050 47%        |
| REAR AVG:                 | 1194 (+144) 53% |
| LEFT AVG:                 | 1067            |
| RIGHT AVG:                | 1177 (+110)     |
| CROSS LR+RF:              | 1097            |
| AVGS: RR+LF:              | 1147 (+ 50)     |

### Standard Features:

- Automatically calculates and displays FRONT/REAR and LF+RR/RF+LR CROSS averages, no scrolling required
- Displays all four tire averages
- Displays tire temperatures simultaneously (outside, middle and inside of each tire)
- Stores 10 sets of tire and brake temperatures
- Displays 4 brake temperatures and calculates FRONT/REAR bias
- Measures tire and brake temperature in any sequence
- Back light for night use
- Serial output to computer or printer
- Enter tire temperatures automatically via the tire probe, or manually via the keypad
- Tire temperatures may be read in either fahrenheit or celsius
- Type K Mini tire probe
- Operates on one (9V alkaline battery)

**Doubles as a 4-car 100 lap timing system with memory for easy recall!**



**Optional Spare Probes:**  
 TYPE K Tire Probe – 1500°F (815°C)  
 Part # 360025  
 TYPE K Brake Probe – 2000°F (1093°C)  
 Part # 360022

**Memory Tire/Brake Pyrometer Accessories page 28**

### DELUXE PYROMETER w/Tire Probe & Case

Part # 360012 w/Case

0-1500°F (-18 to 815°C), coiled probe cord, hold feature, 1° or 0.1° indication, displays in °F (°C), ultra quick display update. Indicates to 2000°F (1093°C) with the optional brake probe.



Voted MOST ACCURATE in the Industry!


# Deluxe Air Pressure Gauges

**The MOST DURABLE & SHOCK RESISTANT in the Industry!**

Available in glow-in-the-dark and liquid-filled, and every unit includes a high quality thumb-operated bleeder and swivel nozzle on a 17" Goodyear hose. High visibility with major and minor graduation marks.

NEW

## ANALOG PRESSURE GAUGES



| Description             | Part Number                   | Specifications                     |
|-------------------------|-------------------------------|------------------------------------|
| <b>DELUXE AIR GAUGE</b> | 360062                        | 2" 0-15 x 1/2 PSI                  |
|                         | 360063                        | 2" 0-30 x 1 PSI                    |
|                         | 360064                        | 2" 0-60 x 1 PSI                    |
|                         | 360065                        | 2.5" Liquid-Filled, 0-15 x 1/2 PSI |
|                         | 360066                        | 2.5" Liquid-Filled, 0-30 x 1 PSI   |
|                         | 360067                        | 2.5" Liquid-Filled, 0-60 x 1 PSI   |
|                         | 360068                        | 2.5" Glow in Dark, 0-15 x 1/2 PSI  |
|                         | 360069                        | 2.5" Glow in Dark, 0-30 x 1 PSI    |
|                         | 360070                        | 2.5" Glow in Dark, 0-60 x 1 PSI    |
|                         | <b>ULTRA DELUXE AIR GAUGE</b> | 360058                             |
| 360059                  |                               | 4" Glow in Dark, 0-30 x 1 PSI      |
| 360060                  |                               | 4" Glow in Dark, 0-60 x 1 PSI      |
| 360078                  |                               | 4" Glow in Dark, 0-100 x 1 PSI     |
| 360071                  |                               | 4" Glow in Dark, 0-1 x .02 BAR     |
| 360072                  |                               | 4" Glow in Dark, 0-2 x .05 BAR     |
| 360073                  |                               | 4" Glow in Dark, 0-4 x .10 BAR     |

### FILL, BLEED & READ AIR PRESSURE GAUGES

Intercomp's "Fill, Bleed & Read" Air Gauges attach directly to your air or nitrogen hose and have transformed this tedious process into one smooth and easy operation.

The air chuck never leaves the valve stem

Standard features include a high quality 4" pressure gauge with rubber protective boot, a 20" Goodyear hose with high quality swivel nozzle and an industrial-grade bleeder valve.



**BLEEDER VALVE ADAPTER**  
Part # 170144



Part # 360086

NEW  
4" gauge

| Part Number | Specifications   |
|-------------|------------------|
| 360086      | 4" 0-30 x 1 PSI  |
| 360087      | 4" 0-60 x 1 PSI  |
| 360088      | 4" 0-100 x 1 PSI |
| 360089      | 4" 0-2 x .05 BAR |
| 360090      | 4" 0-4 x .10 BAR |



Bleeder & Adapter not included

### COMBINATION BLEEDER VALVE, FILL, BLEED & READ GAUGE

0-30 PSI/ 4" GLOW DIAL  
Part # 360096

0-60 PSI/ 4" GLOW DIAL  
Part # 360099

Now you can check your bleeder valves with the same gauge that you use to set your tire pressures. Bleeder valve thread is 1/8" NPT.



**MEMORY TIRE PRESSURE GAUGE**  
Part # 102058

- Used by Most Top Racing Teams
- Dual Display for Easy Viewing of All Pressures
- Backlight
- Operates on Standard 9-volt Battery
- Reads to 1/10 PSI
- Compensates for Barometric Pressure Changes
- Stores pressure OUT/COLD, IN/HOT & Calculates GAIN
- Stores 10 Complete Sets of Pressures IN/HOT, OUT/COLD & GAINS
- Serial Output



INTERFACES WITH RACE CAR MANAGEMENT SOFTWARE  
PART # 102065



Voted #1 in the World

**DIGITAL AIR PRESSURE GAUGE**  
(Factory Certified)

Part # 360045 w/Case

- Ultra-quick, high accuracy digital gauge, 0.5 inch display, reading from 0 to 100 PSI in 0.1 increments.
- Keypad calibration, push button zero, peak hold function, accuracy 0.1%.
- Thumb operated bleed off, 20" Goodyear hose with 45 degree swivel chuck.
- PSI, BAR and Kg/Cm<sup>2</sup>



**DIGITAL FILL, BLEED & READ AIR PRESSURE GAUGE**  
Part # 360094 w/Case

Digital, 0-100 x 0.1 PSI. The digital unit delivers unsurpassed accuracy via the digital controller, accommodating PSI, BAR and Kg/Cm<sup>2</sup> units of measure.

**WIRELESS TIRE PRESSURE MEASUREMENT SYSTEM**  
Part # 360114

This wireless, on-board, tire measurement system allows you to monitor your tire pressures and temperatures in real time while operating your vehicle. System notifies driver if there is a low or high pressure/temperature condition. Digital, dash mount gauge reads multiple pressure units of PSI, KPA, Kg/Cm<sup>2</sup>, or BAR and in deg C or deg F for temperature readings. Monitors pressure up to 70 PSI with an accuracy of  $\pm 2$  PSI.



**The easiest to use  
and most compact  
lap timer in the industry!**

**View lap times  
as they happen – right from  
the driver's seat!**

ON-BOARD LAP TIMER PRINTOUT

|        |             |
|--------|-------------|
| LAP 1: | 2 min 57.55 |
| LAP 2: | 2 min 58.90 |
| LAP 3: | 2 min 58.34 |
| LAP 4: | 3 min 00.02 |

**Record 250  
laps within 0.01  
second!**



(Printer Optional)

Part # 360050: Lap Timer System with Case

### Features and Benefits:

- **Small and Lightweight:** The on-board display unit is 4" W x 2.5" H x 0.8" D, and weighs only 8 ounces.
- **One Button Operation:** Every function is accessed with a single button.
- **250-Lap Memory:** Store laps cumulatively over the course of a weekend for later recall, or clear lap times after each session. Records individual lap times up to one (1) hour in length and displays laps in hundredths of a second.
- **Indicates lap number every lap.**
- **Back Light:** Allows for reading and recording lap times in overcast, indoor and night time conditions.
- **Serial Output:** Send lap time data to a printer, computer or data logger. Selectable baud rates.
- **Blanking Time:** User-adjustable, eliminates false triggers or hits from other beacons. Example: If the best "achievable" lap time is 20.3 seconds, set blanking at 20 seconds. When the unit begins timing each lap, the on-board display "sleeps" during the blanking period (20 seconds in this case), ignoring all beacon signals it encounters. When the blanking time expires, the on-board display "wakes up" to accept the next beacon signal.
- **Sensitivity:** User-adjustable to suit unusual distances between the beacon and on-board display unit.
- **Recall of Factory Default Settings:** Automatic recall of factory default blanking and sensitivity settings.
- **Easy installation:** No hardwiring! Easily installed with velcro strips.
- **Standard Batteries:** The on-board display operates for up to 200 hours on a single 9V battery. The beacon operates up to 40 hours on four (4) AA batteries.

HANDHELD LAP TIMER PRINTOUT

```

***CAR #1***
LAP 1: 1 min 2.56 sec
LAP 2: 1 min 12.67 sec
LAP 3: 1 min 22.50 sec
LAP 4: 1 min 5.66 sec
.
.
.
up to 100 laps
LAP 100: 2 min 3.90 sec

***CAR #2***
LAP 1: 1 min 12.59 sec
LAP 2: 1 min 14.67 sec
LAP 3: 1 min 30.50 sec
.
    
```



### HANDHELD MEMORY LAP TIMER

Part # 360100

- Time up to 4 cars at once with lap count
- 100 Lap memory
- Backlight
- Compact and feather light
- 9 volt battery operation



INTERFACES WITH RACE CAR  
MANAGEMENT SOFTWARE  
PART # 102065

**Lap Timer Accessories page 28**

**CS750 ENGINE WEIGHER**  
Part # 100655  
*NTEP Class III Certified*

1,000 lb (500 kg) Capacity  
Excellent for weighing engines, dump cans in the pit, or for general chassis fabrication. 20-bit A/D converter provides the highest accuracy available  $\pm 0.1\%$  of applied load. High visibility 1 inch LCD digital readout and an infrared remote are standard for operating at a distance.



1,000 lb x  
0.5 lb  
Graduation

**TIRE DRYING/PURGING SYSTEM**  
Part # 102064

- No Electrical Source Necessary
  - Easy to Use Tire Drying & Purging System
  - Vacuum & Fill (4) Tires Simultaneously in Minutes
  - Vacuum Gauge Included
  - Compact, Easily Transported System
  - Transport on Supplied Cart or Mount in Trailer
  - Uses Compressed Air or Nitrogen
  - Controls Stagger Growth
  - Limits Pressure Gain
  - Reduces Tire Wear
  - No Glazing of Tires
- (Tire Chucks not Included)*



**GAS WEIGHER**  
Part # 100165

Ultra lightweight platform scale designed to weigh dump cans on race day. Digital display, push button zero and 9 volt operation. 400 lb (200 kg) capacity with a platform dimension of 10" x 10" (255 x 255 mm). Displays in 0.1 lb increments.



**TIRE HUMIDITY/TEMP METER**  
Part # 360036

Displays relative humidity (%RH) and temperature ( $^{\circ}\text{F}$  or  $^{\circ}\text{C}$ ) within a tire. Using the included valve stem adapter, simply place the unit on the valve stem and allow air to pass by the sensor to obtain a reading.

**COMBINATION DIGITAL LEAK DOWN/COMPRESSION TESTER w/Case**  
Part # 170134

The first and most accurate, self-contained, digital combination leak down and compression tester. Repeatable accuracy for engine cylinder and fuel injector/barrel valve leak down percentages. Reads engine compression pressures to 400 PSI. Locking regulator allows for incoming air pressure adjustment. Your intake air pressure and hose length will not affect your readings.

- Features:**  
*PSI/BAR/KgCm2 and % conversion.*  
*Push button zero, Peak hold and On/Off.*



Compression Mode



Leak Down Mode



Includes Spark Plug  
& Compression Hoses



### SCALE CART

Part # 100346

High quality scale cart with wheels. Strong and lightweight. Carries all four pads, cables and controller. Transports 2.5" or 4" scale pads.

**Dimensions:**

20.625" x 21" x 41.5" (524 x 533 x 1054 mm)



### SYSTEM CARRYING CASE

for 2.5" (64 mm)

Low Profile Scale Pads

Part # 100055

For 2.5" (64 mm) low profile pads, cabling and control box. ATA300 approved with 12 gauge corners, mil-spec latches and handles.

**Dimensions:**

21" x 17.5" x 21"  
(530 x 445 x 530 mm)

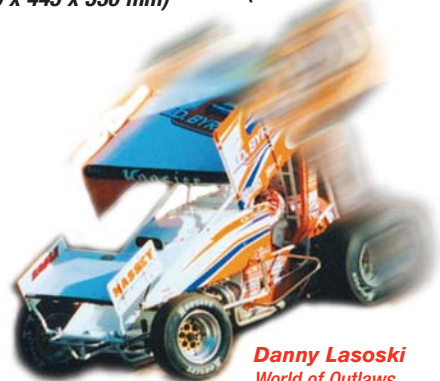
### SYSTEM CARRYING CASE

for 4" (100 mm) Profile Scale Pads

Part # 100056

For 4" profile pads, cabling and control box. Same high strength construction as #100055.

**Dimensions:** 30.75" x 17.75" x 21"  
(780 x 450 x 530 mm)



**Danny Lasoski**  
World of Outlaws



### Scale System Accessories

Replacement Cable (Set of 4) for Scale Systems

Cable-RED

Cable-GREEN

Cable-BLACK

Cable-WHITE

Part # 170135

Part # 560036

Part # 560038

Part # 560035

Part # 560037

Case, Foam Lined for Equipment

Dimensions: 13.5" x 10" x 3.75" (340 x 250 x 95 mm)

Part # 100958

Case, Foam Lined for Equipment

Dimensions: 19" x 14" x 5.5" (482 x 355 x 140 mm)

Part # 490146

Transformer 120V FOR SCALE SYSTEMS

Part # 092002-B

Transformer 220V FOR SCALE SYSTEMS (Specify U.K. or Euro Plug)

Part # 000480

Tape Printer (120 or 220 volt specify)

Part # 340064

Cable, Scale to Computer (9-pin) 6 ft/2 meter

Part # 170136

Cable, Scale to Printer (25-pin) 6 ft/2 meter

Part # 170137

Cable, Lap Timer to Computer (9-pin) 6 ft/2 meter

Part # 100781

Cable, Lap Timer to Printer (25-pin) 6 ft/2 meter

Part # 100782

Cable, Memory Tire Pyrometer/Timer/Air Gauge to Computer (9-pin) Part # 100784

Cable, Memory Tire Pyrometer/Timer/Air Gauge to Printer (25-pin) Part # 100785

Nicad Rechargeable Battery, (9 V) for EZ, Quik & Pro Scales Part # 330101

Battery Pack, (7.2-volt) for SWI and SWII Scales Part # 330010

### Memory Tire/Brake Pyrometer Accessories

Serial Cable, Tire Pyrometer to Computer (9-pin)

Part # 100784

Serial Cable, Tire Pyrometer to Printer (25-pin)

Part # 100785

Tape Printer (specify 120V or 220V)

Part # 340064

### Race Car Management Software Accessories

Cable, Scale to Computer (9-pin) 6 ft/2 meter

Part # 170136

Cable, Lap Timer to Computer (9-pin) 6 ft/2 meter

Part # 100781

Cable, Memory Tire Pyrometer and Memory Air Gauge to Computer (9-pin) 6 ft/2 meter

Part # 100784

### Lap Timer Accessories

Additional On-Board Display Unit

Part # 500396

Additional In-Field Beacon

Part # 500397

Lap Timer with Printer, Cable & Case

Part # 170145

Tape Printer with 120/220 Volt Supply (Specify)

Part # 340064

Cable, Lap Timer to Computer (9-pin) 6 ft/2 m

Part # 100781

Cable, Lap Timer to Printer (25-pin) 6 ft/2 m

Part # 100782

Team Intercomp  
**Racing Apparel**



- Part # 710005     **Embroidered Cap**
- Part # 710007     **Embroidered Patch**
- Part # 710017     **22 Square Inch Decal**
- Part # 710018     **Embroidered Cotton Golf Shirt**  
(Small, Medium, Large, X-Large, XX-Large)
- Part # 710019     **Team Intercomp Jacket**  
(Small, Medium, Large, X-Large, XX-Large)
- Part # 710055     **Team Intercomp Banner**  
(3' by 6' Vinyl with brass eyelets)

## Order Information

- New dealer/distributor accounts must submit a credit application signed and dated by an officer/owner. Please contact us if you do not have one in your catalog.

**Order desk hours: Monday thru Friday 8:00 A.M. - 5:00 P.M. Central Time**

**Toll Free:** (800)-328-3336 **U.S.A.**  
**Phone:** (763)-476-2531 **Worldwide**  
**Fax:** (763)-476-2613 **Worldwide**  
**Mail:** **Intercomp Company**  
 3839 County Road 116  
 Minneapolis, Minnesota 55340 U.S.A.



- Please state part number, quantity, price and brief description of product to be ordered.

**Shipping Options:** UPS, FedEx, Motor Freight and the USPS.

- Please note that products cannot be shipped by UPS, Motor Freight or Fed Ex to a P.O. Box.
- Freight charges are F.O.B. Minneapolis, Minnesota U.S.A.
- Method of Payment: Visa, Mastercard, Discover, American Express, Money Order and COD orders accepted.

## Terms, Warranty & Return Policy

### Terms

All products listed herein are F.O.B. Minneapolis, Minnesota 55430 U.S.A. Terms are such as the company may extend to the purchaser. U.P.S. is the standard mode of shipping. Shipping and handling charges are not included in the net prices. Insurance will be added to all orders shipped via U.P.S. unless instructed otherwise. Intercomp shall not be liable for loss, damage, detention, or delay resulting from causes beyond its reasonable control or caused by fire, strike, civil or military authority.

### Warranty

Subject to the terms and conditions as stated herein, Intercomp Company, (hereafter referred to as "Intercomp"), warrants its scales to be free from defects in material and factory workmanship for a period of twenty-four months, analog gauges for a period of six months, all other equipment twelve months from the date of shipment from Minneapolis, MN. U.S.A.

### Terms and Conditions of Limited Warranty

This obligation is limited exclusively to defective original equipment manufactured or supplied by Intercomp and is subject to the inspection and analysis by Intercomp as to conclusively identify or confirm the nature and cause of failure. Intercomp's responsibility is confined to repair, replacement or credit and does not extend coverage to labor, material or service charges involved in removal or installation of equipment.

Defective components mechanical or electrical, will be repaired or replaced at Minneapolis, Minnesota, provided the user ships the equipment freight prepaid to Minneapolis, Minnesota, in accordance with the Intercomp return to manufacturer authorization procedure. Intercomp is not responsible and will not be held liable for losses, injury or damage caused to persons or property by reason of the installation of Intercomp products or their mechanical failure.

This warranty is not applicable for expenses either direct or consequential that may arise for the use of or inability to use these products.

### Statement of Limited Warranty

This warranty shall not apply to equipment which:

- Has had repairs or modifications not authorized by Intercomp which in Intercomp's judgement has affected the performance or reliability.
- Has been subject to misuse, negligent handling, improper installation, accident, damages by fire, water or act of God.
- Has had serial numbers altered, defaced or removed.

### Freight Carrier Damage

Claims for equipment damaged in transit must be referred to the freight carrier. Visible damage should be reported immediately. Concealed damage as soon as possible or in any case, within ten (10) days of receipt of shipment, in accordance with freight carrier regulations.

### Return of Standard Equipment

At Intercomp, we want you to be completely satisfied with any product purchased from us. If it does not work, or is not right, return it freight prepaid for full credit replacement less shipping, within 30 days of delivery from Intercomp. We may, at our option, assess a restocking charge if the equipment was:

- Not correctly specified for the application intended.
- Damaged beyond reasonable recovery.

The restocking charge is directly proportional to the amount of time and material expense required by us to return the item to resale condition. If an item was held in excess of 30 days, a minimum restocking charge of 15% will be assessed.

### Return Procedure

When returning equipment for repairs these simple steps will help to expedite your request:

- Call 800-328-3336 and ask for the Customer Service Department. You will then be issued a (RMA) Return to Manufacturer Authorization number. Goods received without a RMA# may be refused.
- Provide a written description of the problem you are experiencing and enclose it with the shipment.
- Please write the RMA# on the outside of the package to help us speed your package through our receiving process.
- Provide Proof of Receipt sending original dated receipt with product return.

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