

ELECTRONIC INSTRUMENTS





YELLOW JACKET®

Electronic Charging Scales

Eliminates refrigerant transfer from tank to cylinder to system.
 The cylinder with refrigerant is weighed before and after charging.
 Charge directly into the system or recover from the system



Electronic charging scales show the progress of the charge as it's happening, indicating when to close the valves and stop the charge. Works with any refrigerant in any system.

- Calibration standards traceable to NIST
- Removable control module on retractable 5' coiled cord
- Mechanical overload protection and "OL" alert on LCD
- Industrial grade circuitry for long life performance
- Minus (-) reading shows weight removed from the platform

- Single point load cell strain gauge for long-term stability and accuracy



Full bridge configuration with four strain gauges for accuracy.

Programmable electronic charging scales have added capabilities for automated, faster and more economical charging. Simply program the charging weight and the valve will close automatically when the charge is complete.

- Mesh filter in charging module protects solenoid valve from debris
- Low flow triggers automatic hold to extend solenoid life
- Schrader valve prevents backflow through solenoid
- Charging accuracy is equal to scale accuracy +/- 0.25 oz.
- Solenoid valve with 400 psi maximum operating pressure differential (MOPD) allows metering broad range of refrigerants
- Made in the USA

Convert standard 68802 and 68800 scales to programmable with upgrade kits 68804 and 68805. Each kit includes a charging module, power pack, instruction manual and larger carrying case to hold all parts.



UPC#	Description
68802	Electronic charging scale 110 lbs. (50 kg)
68812	Electronic charging scale 220 lbs. (100 kg)
68803	Programmable electronic charging scale 110 lbs. (50 kg)
68813	Programmable electronic charging scale 220 lbs. (100 kg)
68800	Metric electronic charging scale 50 kg (110 lbs.)
68810	Metric electronic charging scale 100 kg (220 lbs.)
68801	Metric programmable charging scale 50 kg (110 lbs.)
68811	Metric programmable charging scale 100 kg (220 lbs.)
68804	115V Upgrade kit
68805	230V Upgrade kit
68806	115V Adapter
68807	230V Adapter
68818	230V Adapter (UK)
68835	Replacement battery cover (black)
69089	Replacement battery cover (blue)
68808	Charging module

Specifications
Resolution: 0.1 oz./0.01 lb./0.01 kg
Display: Sealed LCD with high resolution 0.5" characters
Keypad: Moisture resistant membrane keypad with tactile metal domes
Operating temperature range: 32° to 122°F (0° to 50°C)
Storage temperature range: -4° to 158°F (-20° to 70°C)
Power: 9V battery, battery life approximately 25 hours
Specifications: 110 lbs. (50 kg) scale
Platform size: 9" x 9" (228 mm x 228 mm)
Case size: 15.5" x 12.25" x 3.25" (394 mm x 311 mm x 83 mm)
Accuracy: ± 0.5 oz./ ± 0.03 lb./ ± 0.015 kg or 0.1% of reading, whichever is greater
Total unit weight: 9 lbs. (4.1 kg)
Specifications: 220 lbs. (100 kg) scale
Platform size: 11.3" x 11.3" (287 mm x 287 mm)
Case size: 18" x 13" x 4.25" (457 mm x 330 mm x 108 mm)
Accuracy: ± 1.0 oz./ ± 0.06 lb./ ± 0.03 kg or 0.1% of reading, whichever is greater
Total unit weight: 12 lbs. (5.4 kg)



Model 68802 – 110 lbs. (50 kg)
9" x 9" (228 mm x 228 mm)

Model 68812 – 220 lbs. (100 kg)
11.3" x 11.3" (287 mm x 287 mm)

SUPEREVAC™ LCD VACUUM GAUGE

Full range from atmosphere to 1 micron



The SuperEvac™ LCD vacuum gauge combines thermocouple sensor technology with advanced electronics for precise readings and repeatability not found with thermistor sensors or analog meters.

Thermocouple technology has long been proven in laboratory and precision industrial instrumentation for sensing the deep vacuum range. Thermocouple sensors are factory calibrated and exhibit few of the electronic variances of thermistor sensors found in many other electronic gauges. Durable molded case with storage for sensor, cable and brass connector.

Thermocouple sensor features:

- No adjustments or warm-up. Stays calibrated after on/off switching and long evacuations
- Automatic battery compensation
- Automatic ambient temperature compensation
- Replacement sensor requires no calibration

LCD gauge features:

- Normal handling and jarring will not affect the LCD reading
- Case protects electronic circuitry and sensor
- Calibration standards traceable to NIST
- Precision circuitry controls sensor and translates sensor input into micron readings
- Auto-off 20 minutes after power up and no change
- Made in the USA 

Specifications

Response time: 3 seconds
 Calibration: Automatic
 Warm up: 3 seconds
 Sensor cable: 5.5' (167 cm) coiled
 Sensor connection: 1/4" Male flare
 Operating temperature range: 32° to 120°F (0° to 49°C)
 Display: 0.5" LCD with battery check
 Automatic shut-off
 Power: D cell battery, 70 hours continuous battery life
 Dimensions: 9" x 12.25" x 2.37" (230 mm x 310 mm x 60 mm)
 Accuracy: ± 20% of reading

UPC#	Description
69075	SUPEREVAC LCD vacuum gauge full range complete in case
69067	Optional ball valve to add to sensor 1/8" NPT Female x 1/4" Female flare
69071	Brass connector 1/4" Female flare x 1/4" Female flare (optional)
69073	Replacement sensor for 69070, 69075
19110	Optional coupler to add to sensor 1/8" NPT Female x 1/4" Female flare

DIGITAL LCD ECONOMY VACUUM GAUGE



Connect to the YELLOW JACKET® SUPEREVAC™ Vacuum Pump, or in line with a tee fitting, or directly to the system with YELLOW JACKET® Core Removal Tool 18975.



This product is protected by one or more of U.S. Patent Number: 6,779,350; 6,832,491; 7,073,346; 7,310,965; and 7,428,822

The digital LCD economy vacuum gauge indicates air and moisture have been removed from the system. Track down the 14 level bargraph from atmosphere to 25 microns to know that the system is clean and the vacuum pump is performing properly. Packaged complete with 9V alkaline battery and hanging hook.

- Unique thermal conductivity sensor automatically compensates for temperature with no calibration
- Simple On/Off controls
- Easy-to-clean sensor handles 450 psi positive pressure
- Rugged contractor-grade construction with tough ABS housing and solid state circuitry for accuracy
- Automatic battery saver shuts gauge off after 20 minutes with no reading changes
- Low battery indicator
- Calibration standards traceable to NIST
- Patented technology
- Made in the USA 

To keep the 69080 vacuum gauge accurate, it is best to avoid oil contamination. Keep the sensor vertical whenever possible and connect the gauge directly to the system, away from the pump.

UPC#	Description
69080	Digital LCD vacuum gauge with battery, hook and pouch
69081	Replacement soft-sided protective case
69079	Replacement battery door and screw
69095	Tee fitting

DIGITAL VACUUM GAUGE

Seven units of measurement for confidence

This easy-to-use gauge shows that air and moisture have been removed from the system. Simple push of a button changes the display readout between 7 units of measurement. **Each displays from atmosphere to 10 microns (bargraph indication above 25000 microns) to let you know that your vacuum pump is clean and performing properly.** If the sensor gets dirty, simply plug a new sensor into the gauge, run through a quick calibration process and be back on the job within minutes.



This product is protected by one or more of U.S. Patent Number: 6,779,350; 6,832,491; 7,073,346; 7,310,965; and 7,428,822

- Unique patented thermal conductivity sensor automatically compensates for temperature
- Replaceable, cleanable, plug-in sensor (Part #69087) handles 450 psi positive pressure
- Displays seven different units of measurement (microns, milli Torr, Torr, millimeters of mercury, millibar, kiloPascal and Pascal)
- 12" coiled sensor cord stretches to 24" for easy reach, connectivity and readability of display
- Magnetized on back for secure, upright positioning on any metal surface
- Low battery indicator
- Automatic shut-off after 20 minutes
- Calibration standards traceable to NIST
- 32° to 122°F (0° to 50°C) operating temperature range
- 14 oz. (392 g) with battery
- Approximately 25 hours continuous battery life
- Made in the USA

UPC#	Description
69086	Hand-held vacuum gauge with fabric carry pouch
69087	Replacement sensor
69088	Replacement cable for original version - not detachable
40819	Replacement cable for newer version - detachable
69091	Replacement fabric carry pouch for 69086

DELUXE LED VACUUM GAUGE

AC powered



Professional laboratory type instrument with 0.56" high bright LED readout is 100 percent automatic. Complete unit includes aluminum LED display, sensor with ball valve, cable, brass connector and carrying case.

- Thermocouple sensor technology for precise and repeatable accuracy

- Improved software expands sensing range from atmospheric pressure to 1 micron
- Calibration standards traceable to NIST
- Accuracy = $\pm 15\%$ of reading
- Made in the USA

Specifications

Response time: 3 seconds
 Calibration: Automatic
 Warm up: 3 seconds
 Sensor cable: 9' (274 cm)
 Sensor connection: 1/4" Male flare with isolation valve
 Operating temperature range: -10° to 150°F (-23° to 65°C)
 Storage temperature range: -30° to 150°F (-34° to 65°C)
 Power: 115V/60 Hz (230V available)
 Power cord: 6'
 Dimensions: 4.25" x 5.5" x 1.5" (108 mm x 140 mm x 38 mm)
 Carrying case: 12.25" x 8" x 3.5" (310 mm x 203 mm x 89 mm)

UPC#	Description
69060	LED vacuum gauge kit complete with case, 115V
69063	LED vacuum gauge kit complete with case, 230V
69064	Sensor for 69060 and 69063
69065	9' sensor cable for above
69066	Carrying/storage case
69067	Ball valve for sensor 1/8" NPT Female x 1/4" Male flare
69071	1/4" Female flare connector

RECOVERY MACHINES
 VACUUM PUMP SYSTEMS
 VACUUM AND CHARGING HOSES
 HOSE ADAPTERS, VALVES AND PARTS
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 LEAK MONITORS AND DETECTORS
 SYSTEM TOOLS

REFRIGERANT ANALYZER

Speed, accuracy and portability



Built-in printer (68947) runs an instant receipt for convenient and accurate customer billing.

- Dispersive infrared technology quickly determines the weight concentrations of R-12, R-134a, hydrocarbons and air
- Analytical software identifies EPA SNAP approved blends, as well as illegal replacements and blends including propane and butane
- Quickly and automatically determines purity of R-12/R-134a and R-410A to help eliminate potential of human error
- Large, easy-to-read graphing display
- Rechargeable battery lasts all day
- Rugged portable case includes R-12 hose with 1/4" flare and R-134a with auto coupler

Specifications

Operating temperature range: 40° to 130°F
 Operating humidity: 0-95% RH non-condensing
 Display: 128 x 64 pixel LCD
 Resolution: 0.1%
 Output: Digital display and LEDs, optional printer module (internal)
 Power: 12V, via battery clips (optional power supply available)
 Weight: 8.0 lbs.
 Start to finish: 60 seconds

UPC#	Description
68945	Refrigerant analyzer (R-12, R-134a, HC, and EPA SNAP approved blends)
68947	Refrigerant analyzer with printer
68948	Optional internal rechargeable battery kit with battery and 110V charger
68949	Optional 110/220V power adapter
68950	Thermal printer paper - 1 roll
68977	In line identifier replacement filter
68978	R-12 replacement hose
68979	R-134a replacement hose

MICRO INFRARED THERMOMETER



This is the most compact infrared thermometer available. Quickly measures -27° to 428°F (-33° to 220°C) with distance to spot ratio of about 1:1.

Specifications

Operating temperature range: 14° to 122°F (-10° to 50°C)
 Resolution: 0.1°F or °C
 Emissivity: 0.05-1 adjustable
 Wave lengths: 5-14 microns
 Power: 3V button cell battery included (CR2032)
 Dimensions: 2.7" x 1.5" x 0.7"
 Weight: 0.09 oz. (1.1 oz. with battery)
 Accuracy: ± 2% of reading or 4°F (2°C), whichever is greater

UPC#	Description
69225	Micro infrared thermometer

THERMOMETER APPLICATIONS

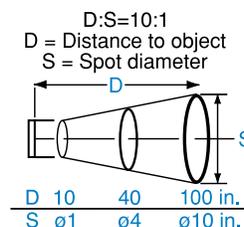
- HVAC/R
- Laboratories
- Road construction
- Automotive
- Food service
- Energy auditing
- Plant maintenance
- Plastic molding
- Electrical

PISTOL-GRIP INFRARED THERMOMETER



With wide measurement of -40° to 932°F, this easy-to-use tool is the effective choice for high or low temperature and refrigeration applications. For accuracy and resolution, the focal point is a tight 10:1 ratio with laser sighting.

- Selectable 3-point emissivity for simple set-up
- Backlight for dark area use
- °F/°C switchable
- ± 2% or 2°C accuracy
- 0.1°F resolution at -40° to 212°F (-40° to 100°C)
- Fast response time of 500 msec



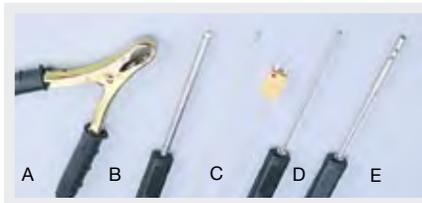
UPC#	Description
69228	Pistol-grip infrared thermometer

DIGITAL THERMOMETERS

Differential and single probe types



Easy strap-on probe (69224) for 1/4" O.D. and larger piping. Efficient for super heat.



Specifications

Temperature range: -58° to 1999°F (-50° to 1300°C)
 Resolution: 0.1 or 1°
 Display: LCD 5/8" (16 mm)
 Operating temperature range: 32° to 120°F (0 to 49°C)
 Storage temperature range: -20° to 130°F (-29 to 54°C)
 Power: 9V, battery life approximately 200 hours
 Dimensions: 7.2" x 2.75" x 1.6" (180 mm x 70 mm x 40 mm)
 Accuracy: -58° to 1800°F ± (0.3% of reading + 2°F); -50° to 982°C ± (0.3% of reading + 1°C)

THERMOMETER APPLICATIONS

- HVAC/R
- Research
- Laboratories

Single Probe "K" type:

- Single "K" type input
- °F/°C switchable
- Maximum and minimum hold
- Low battery indicator
- Power off after 30 minutes

Differential "K" type:

- Dual "K" type thermocouple inputs
- T1, T2 or T1-T2 differential readings
- Resolution 1°

UPC#	Description	Maximum temperature	Length	Response time (sec.)
69200	Digital thermometer – single general purpose probe and case			
69205	Differential thermometer – 2 clamp-on, 2 general purpose probes and case			
69207	Differential thermometer – 2 strap-on, 2 general purpose probes and case			
69210	Differential thermometer – 2 general purpose probes and case			
UPC#	Description	Maximum temperature	Length	Response time (sec.)
69215	Type "K" air probe (E)	1100°F (593°C)	4 ft. (1.21 m)	5
69216	Type "K" 1.25" Ø clamp-on probe (A)	1100°F (593°C)	4 ft. (1.21 m)	12
69218	Type "K" general purpose probe (C)	500°F (260°C)	3 ft. (0.91 m)	3
69220	Type "K" surface probe (B)	1650°F (900°C)	4 ft. (1.21 m)	3
69222	Type "K" puncture probe (D)	570°F (299°C)	4 ft. (1.21 m)	12
69224	Type "K" strap-on probe (F)	300°F (149°C)	12 ft. (3.65 m)	12

WATER-PROOF DIGITAL THERMOMETER



CE

Easy-to-use single "K" probe unit meets IP66 standard.

- Maximum/minimum relative reading memory
- Backlight for dark area use
- Sleep mode on/off
- °F/°C switchable

Specifications

Temperature range: -328° to 1999°F (-200° to 1300°C)
 Operating temperature range: 32° to 122°F (0° to 50°C) (0-85% RH, non-condensing)
 Sampling rates: 2.5 per second
 Battery: 9V, battery life approximately 200 hours
 Display: LCD 1.5" x 1.7" (37 mm x 42 mm), maximum reading 1999
 Dimensions: 7.1" x 2.8" x 1.2" (181 mm x 71 mm x 30 mm)
 Accuracy:
 -200° to 1300°C ± (0.3% of reading + 1°C)
 1000° to 1300°C ± (0.5% of reading + 1°C)
 -328° to 2372°F ± (0.3% of reading + 2°F)
 (18° to 28°C ambient temperature)

UPC#	Description
69233	Waterproof thermometer – single "K" probe

DIGI-ALARM THERMOMETER



Extended reach stainless steel probe.



This compact unit measures from -58° to 392°F (-50° to 200°C) and triggers an alarm at the high and low programmed temperatures.

- No calibration
- °F/°C switchable
- Data hold function
- Key tone for operation confirmation
- Maximum/minimum temperature memory
- Foldaway stand
- Automatic self test after battery installation

Specifications

Measurement range: -50 to 200°C / -58 to 392°F
 Accuracy: ±1°C between -19.9 to 119.9°C
 ±2°C between 120 to 199.9°C
 otherwise ±3°C
 ±1.8°F between -3.8 to 183.8°F
 ±3.6°F between 248 to 391.8°F
 otherwise ±5.4°F
 Display resolution: 0.1° over full range
 Alarm resolution: 1° over full range
 Sampling rate: 1 second
 Battery: Requires one 1.5 volt size AAA/UM4 or equivalent (included)
 Ambient temperature: 0 to 50°C / 32 to 122°F

UPC#	Description
69239	Digi-alarm thermometer

POCKET DIGITAL THERMOMETER



Digital head rotates 180° for easy reading.

- On/off button
- Auto off after 10 minutes
- Reading updates every second
- 5" (125 mm) stem

UPC#	Description
69107	Digital thermometer -58° to 302°F (-50° to 150°C)
69250	69107 display (12 pak)
69110	Battery

POCKET THERMOMETERS

1" and 1-3/8" dial thermometers are adjustable with a 5" stainless steel stem. Colored sheath with pocket clip.

- Individually calibrated
- Shock resistant

12 units with display packaging.



UPC#	Description
69251	1" Dial 0° to 220°F (12 pak)
69252	1" Dial 40° to 160°F (12 pak)
69253	1" Dial 50° to 550°F (12 pak)
69255	1-3/8" Dial -40° to 160°F (-40° to 70°C) (12 pak)
69256	1-3/8" Dial 0° to 220°F (-10° to 110°C) (12 pak)
69265	1" Dial 0° to 70°C (12 pak)

ANEMOMETER



- Microprocessor controller
- Calculates cfm air volume
- Records minimum and maximum readings
- Averages air velocity
- Display "hold" button freezes LCD reading
- °F/°C switchable
- Auto off after 20 minutes
- RS232 output

Specifications

Air flow ranges: 125 – 4900 ft/min
 Resolution: 1 ft/min and 0.01 m/sec.
 Accuracy: ±2%
 Temperature: 14° to 122°F (-10° to 50°C)
 Resolution: 0.01°F and 0.1°C
 Accuracy: ±1.0°F (±0.6°C)
 Power: 9V battery, battery life approximately 100 hours
 Fan diameter: 2-7/8" (70 mm)

UPC#	Description
68915	Anemometer kit
68916	Replacement 2.75" (70 mm) diameter probe assembly

This hand-held instrument reads both air velocity and temperature simultaneously when balancing air conditioning/heating ventilation systems.

RECOVERY MACHINES
 VACUUM PUMP SYSTEMS
 VACUUM AND CHARGING HOSES
 HOSE ADAPTERS, VALVES AND PARTS
 CHARGING SYSTEMS
 GAUGES
 ELECTRONIC INSTRUMENTS
 HEATING INSTRUMENTS
 LEAK MONITORS AND DETECTORS
 SYSTEM TOOLS

SUPERHEAT CALCULATION KIT



Easily take an internal temperature reading for calculating system superheat.

- Read from -58° to 302°F (-50° to 150°C)
- °F/°C switchable
- Extract Schrader cores without opening system
- Remove broken Schrader cores
- Chase damaged threads
- Replace cores
- Use as vacuum valve to increase flow and reduce vacuum and charging time
- Use to reduce recovery time
- Made in the USA



69104



Accessory set 18980.

UPC#	Description
69103	Superheat kit without accessory kit
69104	Complete superheat kit and accessories (as shown)
69106	Digital thermometer and nut - 40° to 230°F
69107	Pocket thermometer (made in China)
18975	Improved vacuum/charge valve
18978	Schrader rethreading accessory
18979	Broken Schrader remover accessory
18980	Accessory set - 2 piece
18997	Grappler rod and nut assembly

DIGITAL REFRIGERANT PRESSURE AND TEMPERATURE CHART



Fast and accurate pressure and temperature references for 66 refrigerants.

- 5.1 to 462.5 psi
- 0.25 to 31.88 bar
- 0.035 to 3.188 MPa
- -40° to 155°F (-40° to 68°C)
- Auto off after five minutes
- Includes manual, soft case and battery (3V CR2032)

UPC#	Description
69096	Digital refrigerant pressure and temperature chart

TACHOMETER

Easy-to-read and use unit measures 10 to 99,999 rpm on compressors, fans, motors, gears, pulleys and more. Non-contact reading maintains torque and precise measurement.



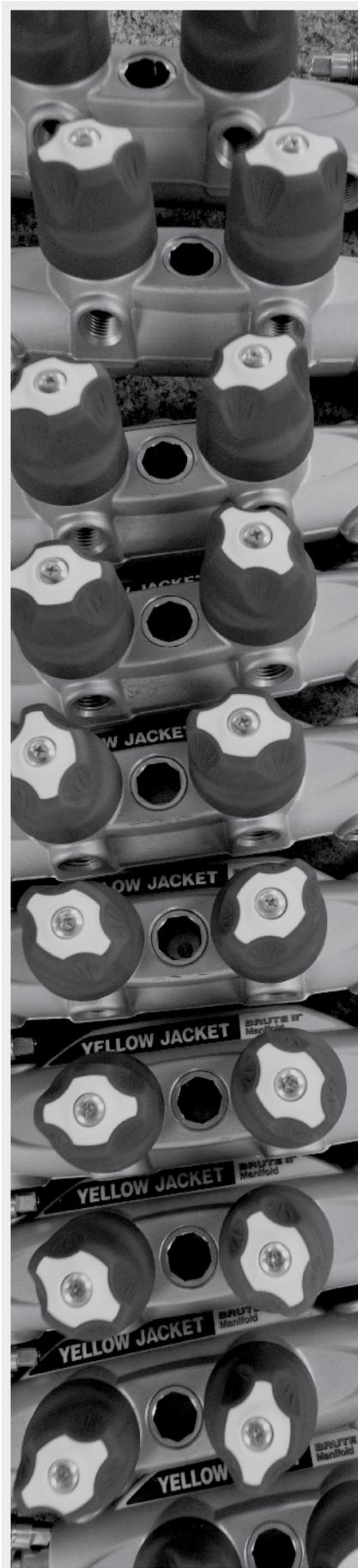
- Auto range function
- Units in rpm
- Hold function to freeze rotating speed

Specifications

Time base: 4.0 MHz quartz crystal
 Power: 9V battery (included)
 Resolution: 0.001 rpm
 Sampling time: 1 second (>60 rpm, 10 to 60 rpm)
 Dimension: 4.8" x 1.9" x 1.3" (124 mm x 50 mm x 33 mm)

UPC#	Description
69348	Non-contact photo tachometer

*We recommend Scotch™ 198 for replacement adhesive.



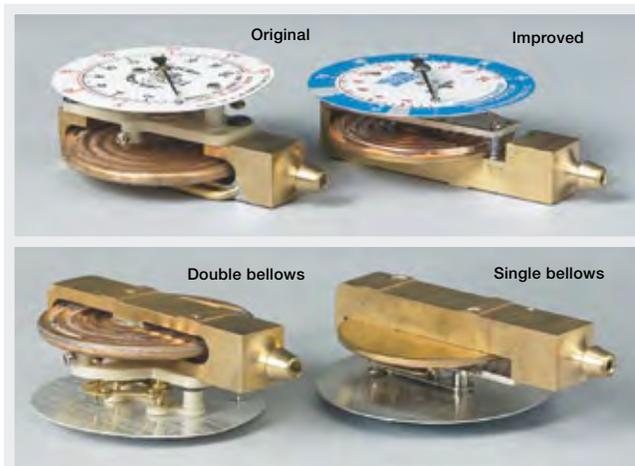
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GAS PRESSURE TEST KIT



Easier to use than a manometer, this compact kit helps you accurately set manifold pressure for natural or L.P. gas.

- Sensitive diaphragm gauge calibrated in inches of water column and ounces per square inch
- Improved lamination strength of diaphragm (bellows) to brass plate withstands higher over-pressure
- Tube nipple for easy connection to system manifold
- Two gauge ranges available
- Made in the USA



The unique single bellows on brass plate design replaces the double bellows for a stronger seal that better resists over-pressure.

UPC#	Description
78055	Complete test kit – 0-10" W.C.
78056	Barb-fitting gauge – 0-10" W.C.
78057	1/4" NPT Male gauge – 0-10" W.C.
78060	Complete test kit – 0-35" W.C.
78061	Barb-fitting gauge – 0-35" W.C.
78066	1/4" NPT Male gauge – 0-35" W.C.
78062	Hose with nipple
78064	Brass barb-fitting
78065	Rubber nipple
78059	Gauge crystal
78063	Carrying case

2" GAS TEST GAUGE 1/2", 3/4" and 1" pipe



Easy-to-read gauge to test system pressure for leaks in new installations. Pressure drop indicates leakage. 0-30 gauge is in 1/4 lb. increments and 0-15 gauge is in 1/5 lb. increments. Brass threaded bell for leak tight connection.

UPC#	Description
78076	2" Test unit 0-15 lb. gauge 1/2" pipe
78077	2" Test unit 0-15 lb. gauge 3/4" pipe
78080	2" Test unit 0-30 lb. gauge 3/4" pipe
78087	2" Test unit 0-60 lb. gauge 3/4" pipe
78090	2" Test unit 0-100 lb. gauge 3/4" pipe
78078	Gauge 1/4" NPT Male 0-15 lb.
78081	Gauge 1/4" NPT Male 0-30 lb.
78091	Gauge 1/4" NPT Male 0-100 lb.
78079	2" Test unit 0-15 lb. gauge 1" pipe
78085	2" Test unit 0-30 lb. gauge 1" pipe
78095	2" Test unit 0-100 lb. gauge 1" pipe
78096	Schrader fitting 1/8" NPT Male x tire fitting (0.305" - 32)

3-1/2" GAS TEST GAUGE 3/4" and 1" pipe



Larger 3-1/2" gauges are easier to read. Scale in psi and bar. Brass threaded bell for leak tight connection.

UPC#	Description
78084	3-1/2" Test unit 0-30 3/4" pipe
78086	3-1/2" Test unit 0-100 3/4" pipe
78088	3-1/2" Test unit 0-30 1" pipe
78089	3-1/2" Test unit 0-100 1" pipe
49422	Gauge only 3-1/2" test unit 0-60 psi
49421	Gauge only 3-1/2" test unit 0-30 psi
49424	Gauge only 3-1/2" test unit 0-100 psi

DIGITAL PSYCHROMETER



Quickly measure humidity, dry bulb, dew point and wet bulb. No need to whirl a meter or refer to a chart for results.

- °F/°C switchable
- Data hold
- Auto power off
- Display relative humidity and temperature simultaneously
- Response time of 60 seconds to changes in humidity

Specifications

Temperature range: -4° to 122°F (-20° to 50°C)

Resolution: 0.1°F/°C, 0.1% RH

Operating temperature range: 4° to 122°F (-20° to 50°C) 0-100% RH

Power: 2 AAA batteries

Dimensions: 7" x 1-7/8" x 1"
(178 mm x 48 mm x 25 mm)

Weight: 2.65 oz. (75 g)

Accuracy: Relative humidity functions
(± 3% RH at 25°C)
Temperature ± 1°F (0.6°C)

Sensors: Temperature: thermistor bead

Humidity: polymer film (capacitance)

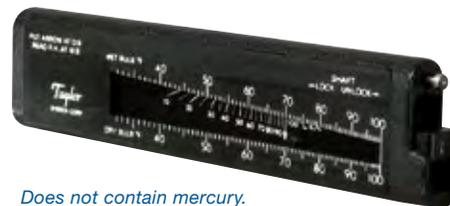
Update rate: 2-6 seconds depending on function

UPC#	Description
69008	Digital psychrometer

SLING PSYCHROMETER

Measures wet and dry bulb temperatures of surrounding air for immediate conversion of readings to relative humidity percentage.

- One piece unit in self-contained housing fits into your pocket
- Calibrated and easy-to-read
- "Slide rule" scale built into case
- Accurate to 1 percent of "Hygrometric Tables"
- Made in the USA 



Does not contain mercury.

UPC#	Description
69010	Sling psychrometer
69011	Replacement wicks (5 pak)
69015	Replacement thermometer

WATER-TYPE MANOMETER

Economical plastic tube manometer helps you set manifold pressure for natural or L.P. gas. Goes to -2" W.C. for newer systems.

- Strong magnet on manometer holds it in convenient upright position
- Includes tubing with fitting
- Made in the USA 

UPC#	Description
78070	-2" - 0 - 7-1/2" scale manometer
78075	-2" - 0 - 15" scale manometer
78071	Tubing with fitting
59511	Brass fitting only



DIGITAL ELECTRONIC MANOMETER



The digital electronic manometer eliminates the mess and fragility of U-tubes or diaphragm type gas pressure gauges. This easy-to-use instrument provides a continuous display of the measured positive or negative pressure. Ideal for setting gas pressure at manifold, checking pressure, flue draft and air balancing. Kit includes battery, 18" tubing and brass fitting.

- Display unit: inches of water
- -19.95" to 19.95" water gauge
- Accuracy: ±1.5% FS (±0.3 inches of water)
- 0.05" water column resolution
- Large LCD display
- Automatic off
- Long battery life
- Made in the USA 

UPC#	Description
78050	Digital electronic manometer
69089	Battery door
78071	18" Tubing with fitting
59511	Brass fitting only



TEST LEAD SETS

Set of two leads 3' in length. Clips with red and black insulators each end. 120/240V – AC. 69532 and 69531 use 16-1 wire. 69530 and 69529 use 14-1 wire.

UPC#	Maximum amps	Clip size
69532	5 Amp	Small
69531	10 Amp	Medium
69530	10 Amp	Medium
69529	20 Amp	Large



ADAPTER CORD – TEST CONNECTOR

A 12" lead using number 14-3 wire and Female plug one end. Three large clips other end with red, black and green insulators. 120/240V – AC.

UPC#	Maximum amps	Clip size
69522	15 Amp	Large

FUEL OIL TEST KIT



Determine pump efficiency, cut-off and suction, as well as analyze or troubleshoot burner efficiency. Kit includes 2" gauge, 30" 0-150 lb. scale and 12" hose with fittings.



UPC#	Description
78020	Complete fuel oil gauge kit
78021	2" Fuel oil gauge only
78023	Carrying case
78011	12" Hose – no valve opener
78024	Fitting set (4 pak)
78031	2-1/2" Gauge, scale 30", 0-150 lbs.
78032	2-1/2" Gauge, scale 30", 0-300 lbs.

All gauges are 1/8" NPT.

OIL PUMP VIBRATION ELIMINATOR



Reinforced rubber hose helps eliminate noise and vibration when installed in a heating system.

- 1250 psi (86 bar) minimum burst, 250 psi (17 bar) maximum working pressure
- Operating temperature -20° to 180°F (-28.8° to 82.2°C)
- Made in the USA 

UPC#	Length	Description
78012	12"	3/8" Male flare x 1/4" NPT Male oil burner connector

