

INSTRUMENTS

PHOTO CONTACT TACHOMETER

One meter provides precise RPM measurements with or without contact.

Multi-Functional: New patented design incorporates both a photo and contact tachometer into one precision instrument.

Wide Measuring Range: From 0.5 to 20,000 RPM in contact mode from 5 to 99,999 RPM in photo mode. Linear surface speed measurements are 0.2 to 6560 ft/min. or 0.05 to 1999.9 m/min.

Memory Recall Button: Automatically holds last reading for 5 minutes and recalls minimum and maximum readings.

Microcomputer LSI Circuitry: Provides accuracy to 0.05% and permits readings to a resolution of 0.1 RPM in either photo or contact mode.

Accessories Included: 3" wheel, 1 cone adaptor, 1 cone tip, 1 funnel cone, 1 funnel tip, one sheet of tabs, carrying case.

SPECIFICATIONS:

READING RANGE:

Photo Mode: 5 to 99,999 RPM
Contact Mode: 0.5 to 20,000 RPM
Surface Speed: 0.05 to 1,999.9 RPM/0.2 to 6,560 FPM
Resolution: 0.1 RPM < 999.9 RPM, 1 RPM > 1000 RPM;
 0.1 MPM < 99.99 MPM; 0.1 FPM < 99.99 FPM,
 1 FPM > 1000 FPM
Accuracy: ±(0.5% + 1 digit)
Sampling Time: Photo: 1 sec. > 6 RPM; Contact: 1 sec. > 60 RPM
Detecting Dist.: 50 to 150 mm (2" to 6") typically; 300 mm (12") max.
Display: 5 digit LCD 10 mm high
Power Supply: (4) 1.5 V L AA batteries
Time Base: Quartz Crystal
System Control: Single chip micro computer LSI circuit
Operating Temp.: 0° to 50°C
Dimensions: 215 x 65 x 38 mm
Weight: 300 g

Model No. HF964 Mfg. No. K4010

REED



SOUND LEVEL METER

- Dual range measurement (Hi/Lo)
- "A & C" frequency weighting
- Large, easy-to-read LCD display
- Electret condenser microphone for high accuracy and longterm stability
- RS232 computer interface
- Data Hold, Max Hold functions and low battery indication
- Meets IEC651 Type 2 requirements
- Includes carrying case and battery

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SPECIFICATIONS:

Measuring Range: Low: 35 to 100 dB;
 High: 65 to 135 dB (A & C)
Resolution: 0.1 dB
Accuracy: ±1.5 dB
Frequency: 31.5 Hz to 8 kHz
Time Weighting: Fast/Slow (A & C)
Microphone: 1/2" electret condenser
Power Supply: 1 x 9V battery
Dimensions: 210 x 55 x 32 mm
Weight: 230 g

Model No. HX387 Mfg No. ST-805



PH PEN

- Dual displays of temperature and pH
- °F or °C temperature measurement
- Automatic temperature compensation assures that readings are corrected for temperature offsets
- Calibration up to 3 points (pH 4.00, 7.00, 10.00)
- Automatic buffer recognition
- No tools or trimmers needed for calibration
- Data hold
- 4-digit LCD readout
- Low battery indicator and auto power off after
- Detachable cap protects sensor
- Waterproof housing meets IP67 rating

SPECIFICATIONS:

Model No. IA439 Mfg No. 8681
pH Range: 0 to 14 pH
pH Resolution: 0.1 pH
pH Accuracy: ±0.2 pH
Temp. Compensation: 0 to 50°C
Temp. Accuracy: ±1°C

Model No. IA440 Mfg No. 8682
pH Range: 0 to 14 pH
pH Resolution: 0.01 pH
pH Accuracy: ±0.05 pH
Temp. Compensation: 0 to 50°C
Temp. Accuracy: ±0.5°C

Operating Conditions: 0 to 50°C; 0 to 80% RH
Power Supply: 2 LR44 button cell batteries
Dimensions: 150 x 36 x 25 mm



ILLUMINOMETERS

- Accurately displays light level in terms of Foot Candles (FC) or Lux, over a wide range
- Measures from 0 to 5000 FC in three ranges with a resolution from 0.1 FC and from zero to 50,000 Lux in three ranges from 1 Lux
- Large 0.5" LCD readout
- Automatic zero adjustment
- Sampling time of 0.4 second

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Model No.	Mfg. No.	Description
HF979	K7020	Illuminometer
HA292	1200C	Deluxe carrying case
HF211	CA-03	Vinyl carrying case



ROTATING VANE THERMOANEMOMETER

- Designed to provide fast and accurate air velocity and temperature readings
- Separate rotating vane anemometer sensor
- Type K sensor for temperature measurements
- Large, 3-1/2 digit LCD readout
- Data hold and Max hold functions

SPECIFICATIONS:

Air Velocity Range: 0.0 to 45.0 m/s;
 0.0 to 140.0 kph; 0.0 to 88.0 knots
A/V Resolution: 0.1 m/s; 0.1 kph; 0.1 knot
A/V Accuracy: ±3%
Temperature Range:
 0 to 60.0°C; 32.0 to 140.0°F
Temp. Resolution: 0.1°C; 0.1°F
Temp. Accuracy: ±0.8°C; ±1.5°F
Dimensions:
 Meter: 150 x 72 x 35 mm;
 Vane: 132 x 66 x 29 mm
Weight: Meter: 210 g; Vane: 35 g

Model No. IA196 Mfg No. ST-618

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HYGROMETER-THERMOMETER

- Dual LCD readout shows ambient temperature and relative humidity
- Integral probe for convenient one-handed operation
- User selectable °F/°C
- Min/Max memory for both functions
- Data hold and relative functions
- Auto power-off
- Battery included

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SPECIFICATIONS:

Humidity Range: 0 to 100% RH
Resolution: 0.1% RH
Accuracy: ±3% RH
Temperature Range: -4 to 140°F (-20 to 60°C)
Resolution: 0.1°F/°C
Accuracy: ±1.6°F/0.8°C
Power Supply: Single 9V battery
Dimensions: 9.5 x 2.1 x 1.3" (240 x 54 x 34mm)
Weight: 6.4 oz (180g)
Model No. IA441 Mfg No. C-315

SOFT CARRYING CASE

Model No. HN416 Mfg No. CA-05A

