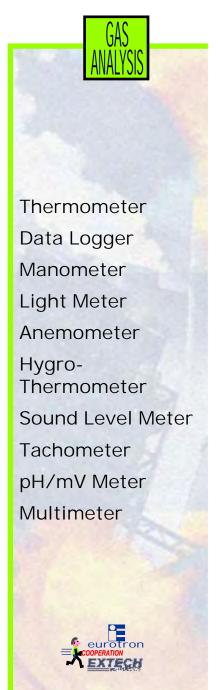




Mini series



Hand-held Measuring & Testing Instruments







Thermometer Hygro-Thermometer

Mini LTk

Thermometer

Type K thermometer Range from -50°C to 1300°C Accuracy ±(0.3% rdg+1°C) Resolution 0.1°C/1°C Data-Hold and auto power off **functions** Complete with wire type K thermocouple

Mini LTk thermocouple thermometer offers all of the convenience and accuracy of higher end thermocouple thermometers in one easy-to-use economically priced instrument. Popular features include Maximum reading memory, Hold function, °F/°C switchability, low battery indicator and auto power off to save battery life. Plug the probe in, turn the unit on and make your measurements. Thermometer accepts all type K thermocouple probes with yellow ANSI mini-connector.

Specifications

- °C / °F switchable,
- Range: from -50 to +1300°C
- Resolution: 0.1°C (up to 199.9); 1°C
- Accurcy: $\pm(0.3 \% \text{ rdg} + 1^{\circ}\text{C})$,
- Display: LCD,
 Power: 9 V battery,
- Protective ABS case, battery and type K test thermocouple included. ABS housing.

Mini IR

Infrared Thermometer

Pocket size non-contact thermometer Range from -20°C to 320°C Laser Beam Pre-set emissivity for simple setup Mini T+RH Hygro-Thermometer (445580)

Read temp / RH simultaneously Capacitance polymer sensor Hold / Min / Max features Auto power off Easy self calibration

The Mini IR is a poket sized and light weight infrared thermometer which offers easy and accurate non-contact temperature measurement of the range -20~320°C. The Mini IR series employs infrared noncontact measurement principles which is generally considered to be the most ideal and efficient thermometry technology, especially where contact thermometry is impractical.

Wide ranges of applications include: Heating and Air conditioning, Asphalt, Fire inspectors, Food and automotive industry, etc.

Specifications

- Range: from -20 to +320°C,
- Resolution: 1°C,
- Accuracy: ±3 % rdg or ±2°C whichever is greater,
- Spectral response: 6-14µm,
- Response time: 500ms,
- Distance/Spot ratio: 5:1 (10cm @ 0.5m),
- Built-in laser beam,
- Display: LCD,
- Power: 9V battery

The Mini T+RH is a hygro-thermometer easy to use, and easy to carry. It is suitable for general use and heating, conditioning applications.

Specifications

Relative Humidity

- Range: from 5 to 95% RH Accuracy: ±5% RH @25 °C
- Resolution: 0.1% RH

Temperature

- Range: from -10 to 45 °C
- Accuracy: ±1 °C
- Resolution: 0.1°C



F2135100 Immersion type K F2132100 Air type K F2137100 Contact type K F2133100 Insertion type K F2139100 Velcro type K









Anemometer Datalogger

MiniLog T

DataLogger (8818)

Temperature datalogger
Thermistor temp. sensor
Rugged, waterproof housing
Programmable sample interval
from 1s to 2h
Optional interface module and
Windows™ software

Mini AIR PRO

Air flow meter

Remote vane with built-in temperature Wind speed units selectable range from 0.4m/s to 25m/s Accuracy ±2% rdg 72mm wheel Data-Hold plus auto shut off Mini AIR PRO HW
'Hot Wire' air flow meter

Hot wire thermo anemometer
Wind speed units selectable
range from 0.2m/s to 20m/s
Accuracy ±3% rdg
940mm x 13mm telescoping probe
Data-Hold plus auto shut off

Specifications

- Range: from -40 to 85°C
- Accuracy: ±0.6°C (from -20 to 50°C) / ±1.2°C elsewhere
- Resolution: 0.1°C < 50°C; 0.2°C < 70°C; 0.3°C elsewhere
- Sample data: up to 8000



MiniLog T+RH

DataLogger (8829)

Temperature and relative humidity datalogger

LCD screen for displaying data Rugged, waterproof housing Programmable sample interval from 1s to 2h

Optional interface module and Windows[™] software

Specifications

Temperature

- Range: from -40 to 85°C
- Accuracy: ±0.6°C (from -20 to 50°C) / ±1.2°C elsewhere
- Resolution: 0.1°C < 50°C; 0.2°C < 70°C; 0.3°C elsewhere

Relative Humidity

- Range: from 0 to 100% RH
- Accuracy: ±3% RH
- Sample data: up to 16000

The Mini AIR PRO measure airflow and temperature simultaneously. Remote probe is designed with twisted vane arms and low friction ball bearings for accurate airflow readings in low or high velocities.

Microprocessor-based unit provides fast.

reliable air velocity measurement in five different scales. Mini AIR PRO features selectable °F or °C, Record/Recall minimum, maximum, and average readings, display hold, and automatic shut-off to preserve battery.

Wide range application includes: airflow measurements in heating, ventilation, and air conditioning systems, air duct analysis, wind tunnel studies, or monitoring or process air

Specifications

Air velocity

- Range: da 0.4 a 25 m/s
- Accuracy: ±2% rdg
- Resolution: 0.1 m/s

Temperature

- Ránge: da 0 a 60°C
 Accuracy: ±0.8°C
- Resolution: 0.1 °C
- · Power: 9V battery

The Mini AIR PRO HW accurately measure air speed and temperature in ducts and ventilating systems.



Mini AIR

Air flow meter (45118)

Dual display of air velocity and temperature or windchill Auto shutoff, Data Hold Selectable engineering units Water resistant housing floats

Specifications

Air velocity

- Range: from 0 to 98 mph
- Resolution: 0.1 mph
- Units: knots, km/h, mph, Ft/min, m/s, Beaufort force.
- Wheel: 24mm







Multimeter

Mini MMX

Pocket multimeter (38109)

4000 count high contrast LCD display with bargraph Auto power off Built-in storage compartment for integrated test leads AC/DC voltage up to 400V DC current up to 400mA Resistance up to 40M

Diode test, Logic test, battery check and continuity beeper Basic accuracy Vdc ±1.5% rdg



Cat. 8740

VOLT/METAL DETECTOR

Model 401665

LED status indicator and audible confirmation

Metal detector functions: locate metal conuit, piping, nails/screw, and trace wirings in walls

Non-contact voltage detector: check sockets, fuses, light bulbs/lamps, and verify polarity

Electrical tester: locate LIVE wires, check AC power, verify DC voltage and polarity, check appliance grounds



Mini MMX Pro

Professional Multimeter (Mt320)

4000 count LCD display Auto power off

Measurements functions include AC/DC Voltage and Current, Resistance, Frequency, Duty Cycle, Capacitance, Temperature, Diode and Continuity

Basic DCV accuracy ±0.3% of rdg

The Mini MMX PRO is an autoranging digital multimeter. It has an unique display prompts indicate correct test probe connections, blown fuses, and to disconnect power for passive functions.

	Ranges
DC Volt	400mV, 4V, 40V, 400V,
	1000V
AC Volt	400mV, 4V, 40V, 700V

AC/DC Current 400µA, 4000µA, 40mA, 400mA 20A

Resistance () 400, 4k, 40k, 400k, 4M, 40M

Capacitance 40nF, 400nF, 4µF, 40µF, 100µF

Frequency (Hz) 500m, 5, 50, 500, 5k, 50k, 500k, 5M, 10M

Temperature da -20 a 1370°C con Tck

Temperature probes

F2135100 Immersion type K

F2132100 Air type K F2137100 Contact type K

F2133100 Insertion type K F2139100 Velcro type K



Cat. 8710

Mini MMX AMP

600A AC/DC Clamp + DMM (38387) ____

Maximum AC current of 600A Measure AC current, AC/DC Voltage and Resistance

Basic AC current accuracy of 1.5%

Auto power off and Data Hold **functions**

33mm circular jaw opening for large cables

The Mini MMX AMP is a compact, rugged, accurate, 600A clamp-on ammeter.

Specifications

AC Current

Range: 600 A Resolution: 0.1A

Accuracy: ±(1.5%rdg+4d)

DC Voltage

Range: 600 V Resolution: 1 V

Accuracy: ±(1%rdg+1d)

AC Voltage

Range: 600 V Resolution: 1 V

Accuracy: ±(1.5%rdg+4d)

Resistance

Range: 2000 Resolution: 1

Accuracy: ±(1%rdg+2d)



Specifications may change without notice

Cat. 8720



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Manometer Tachometer pH-meter

Mini LP

Auto power off

130mbar differential manometer

Mini Speed

Tachometer (461895)

Mini pH PRO

pH / mV / Temperature

Measure gauge and differential pressure

Pressure range from 0 to 138mbar Accuracy ±0.3% FS Selectable engineering units Data-Hold, Max, Min functions

Non-contact motion and RPM meter Compact, rugged and accurate 5 digit LCD display Accuracy ±0.05% rdg

Ranges 0-14pH / 0-100°C / 0-1999mV Data-Hold with Auto power off Easy Slope and Calibration adjustments

Manual and auto temperature compensation using temperature probe

2 calibration point: pH4 and pH7 General pourpose pH electrode included

The Mini pH PRO is a mV and pH meter for field and laboratory applications.

The Mini LP is a gauge and differential pressure meter for a wide range of applications. The internal pressure sensor is compatible with all non-corrosive, nonexplosive gas.

The applications include: medical equipment, pneumatic controls, HVAC industries.

Range: from 0 to 138 mbar

Complete with carrying case, connection

Resolution: 0.1 mbar

Accuracy: ±0,3% FS

Power: 9V battery

Display: backlited LCD

hose, and instructions.

Specifications

Contact

Range: from 0.5 to 20000 RPM

The Mini Speed is a professional

combination contact / photo tachometer.

- Accuracy: ±(0.05% rdg + 1 d)
- Sampling time: 1 sec >6RPM Resolution: 0.1RPM / 1RPM
- Surface speed: from 0.05 to 1999.9

Photo

- Range: from 5 to 99999 RPM
- Accuracy: $\pm(0.05\% \text{ rdg} + 1 \text{ d})$
- Sampling time: 1 sec >60RPM
- Resolution: 0.1RPM / 1RPM
- Power: n.4 type AA batteries
- Complete with wheels for linear surface speed, reflective tape, carrying case and instructions

Specifications

рĤ

- Range: from 0 to 14pH
- Resolution: 0.01 pH
- Accuracy: $\pm(0.03 + 2d)$

Temperature

- Range: from 0 to 65°C
- Resolution: 0.1°C
- Accuracy: ±1°C < 50°C / ±4°C elsewhere

mν

- Range: from 0 to 1999mV
- Resolution: 1 mV
- Accuracy: $\pm(0.5\% + 1d)$
- Power: 9V battery
- Complete with pH electrode and instructions

Small conversion table

Specifications

1psi x 6.8947 = kPa 1psi x 68.947 = mbar1psi x 70.038 = cmH₂O $1psi \times 51.715 = mmHg$









Sound level meter Light meter

Mini Sound Pro

Sound level meter (407750)

Large LCD display with backlighting and analog bargraph Range from 30 to 130 dB Meets ANSI and IEC651 Type 2 standards

A and C selectable frequency weightings

Fast and Slow selectable response time

Tripode mount

The Mini Sound PRO is a professional digital sound level meter for general purpose and high accuracy Type 2 measurements.

The electret condenser microphone (with background noise absorber) provides 1.5 dB accuracy.

The Mini Sound PRO is hand held, rugged, and can be mounted on tripode for professional and long term measurements.

Specifications

- Range (A weighting): from 30 to 130dB
- Range (C weighting): from 35 to 130dB
- Resolution: 0,1 dB
- Accuracy: ±1.5 dB (Type 2)
- Display: Large 3 ½ digit display with backlighting and analog 50dB bargraph AC analog output: 0.707 RMD (F.S.)
- DC analog output: 10 mV/dB
- Power: 9 V battery
- · Complete with case, background noise absorber and instructions.

Mini Sound

Sound level meter (407727)

Large LCD display with backlighting and analog bargraph Range from 40 to 130 dB

A and C selectable frequency weightings

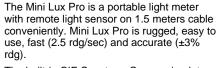
Fast and Slow selectable response time

Accuracy ±2 dB @ 94dB, 1000Hz AC analog output: 0.707Vrms



Light meter (403125)

Remote light sensor on 1.5m cable Wide ranges for measurements to 20000 Fc/Lux mV analog output Built-in CIE Spectrum curve Peak-Hold and Data-Hold



The built-in CIE Spectrum Curves simulates "human eye" response for optimum light analysis.

Specifications

- Range: from 0 to 20.000 Lux
- Resolution: 0.01 Lux
- Spectral response: CIE photopic curve
- Cosine correction: <2%; 150° acceptance angle
- Accuracy: ±(3% rdg + 10 digit)
- Sample rate: 2.5 rdg/sec
- Display: 3 1/2 digit LCD
- Power: 4 type AAA batteries
- Complete with soft vinyl case, light sensor cover and instructions



Mini Lux

Light meter (401027)

Two ranges 200.0 e 2000 Fc Accuracy ±5% rdg Resolution 0.1 and 1 Fc



Cat. 8440



