

FEATURES

DELUXE DIGITAL MANOMETERS

Ideal for Industrial Pressure testing.

- Digital display of gauge or differential pressure
- Select: psi, inH₂O, bar, mmHg, ozin², kgcm², kPa, ftH₂O, inHg, cmH₂O & mbar
- Bright backlight
- Data hold and record
- Min/Max button
- Simple fittings for hose connection
- RS-232 computer interfacet
- CE and RoHS approved

DM8200 - Industrial requirements such as Manifold Pressure

DM8205 - Industrial requirements such as Balancing Valves

DM8215 - HVAC, Industrial Gas Pressure

DM8230 - Low Static, Negative Pressure

SPECIFICATIONS

◆ **DM8200:**
0-100 psi (to 2,768 inH₂O); Res. (bar) 0.4

◆ **DM8205:**
0-5 psi (to 138 inH₂O); Res. (bar) 0.1

◆ **DM8215:**
0-15 psi (to 415 inH₂O); Res. (bar) 0.01

◆ **DM8230:**
0-30 psi (to 830 inH₂O); Res. (bar) 0.002

◆ Power Source: 1 "9V" battery (included)
Includes: • Connection hose
• Molded hard case

UPC	NO.
41200 8	DM8200
41210 7	DM8205
41215 2	DM8215
41217 6	DM8230
12710 0	ASFT KIT PC Interface Kit (Optional)



RoHS
DM8200
DM8205
DM8215
DM8230

HIGH RESOLUTION DIGITAL MANOMETER

Ideal for Low Static, Negative Pressure testing.

- Digital display of gauge or differential pressure
- Select psi, inH₂O, mmH₂O, bar and mbar
- Bright backlight
- Data hold & record
- Min/Max button
- Simple fittings for hose connection
- **DM8252RS** includes four (4) Rubber Stoppers for Duct Smoke Detectors
- CE and RoHS approved

◆ Range: 0 to 2 psi (to 55 inH₂O)

◆ Accuracy: ±0.3%

◆ Resolution (bar): 0.01

◆ Storage Temperature: -4° to 140°F

◆ Power Source: 1 "9V" battery (included)

Includes: • Connection hose
• Molded hard case

UPC	NO.
41216 9	DM8252
41220 6	DM8252RS w/4 Rubber Stoppers
12710 0	ASFT KIT PC Interface Kit (Optional)



RoHS
DM8252
DM8252RS

HEAVY DUTY DIGITAL MANOMETER WITH RS-232 OUTPUT

Heavy Duty HVAC/R, Industrial Pressure measurements.

- Measures: mbar, psi, Kg/cm², inch/Hg, mm/Hg, inch/H₂O, meter/H₂O, atmosphere
- Dual and differential input, 2000 mbar x 1 mbar
- Data hold
- Zero/relative
- Min/Max Memory
- Auto shut-off
- Low battery indicator
- RS-232 data port
- Optional Software LSFT KIT
- CE and RoHS approved

◆ Sensor: Piezoelectric built inside the housing

◆ Sampling time: Approximately 0.8 second

◆ Operating temperature:
32° to 122°F (0° to 50°C)

◆ Operating humidity: <80%

◆ Display: 61 x 34mm jumbo LCD display (0.6 in. digit size) with contrast adjustment

◆ Dimensions:
7.1 x 3.1 x 1.5 in. (180 x 78 x 38mm)

◆ Power Source: 1 "9V" battery (included)

Includes: • Hard padded carrying case
• 2 Quick connect couplers

UPC	NO.	
41219 0	PM9100	Black w/RS-232 computer interface
41218 3	PM9100HA	White body (no output)
41420 0	LSFT KIT	PC Interface Kit (Optional)



RoHS
PM9100
PM9100HA

FEATURES
GAS PRESSURE TEST KIT

Rugged, Heavy Duty Field Use.

- Measures Natural gas (methane) or LP gas pressure across appliance manifolds
- Tests gas stoves, furnaces, dryers and other gas appliances. Can also be used for other non-corrosive gases
- Large 2 in. sensitive diaphragm gauge is calibrated in inches of water column, also shows ounces per square inch
- Magnified lens
- Easier to use than a manometer

SPECIFICATIONS

- ◆ Range **GPK015**:
0 to 15 inches of water column (in H₂O)
0 to 9 ounces per square inch (oz/in²)
 - ◆ Range: **GPK035**:
0 to 35 inches of water column (in. H₂O)
0 to 20 ounces per square inch (oz./in²)
- Includes:
- 2 in. sensitive diaphragm gauge
 - 3 ft. of rubber tubing
 - Brass fitting for quick connection to the appliance manifold 3/8 in. NPT
 - Molded hard case

UPC	NO.
41240 4	GPK015
41230 5	GPK035



**GPK015
GPK035**

HYDROGAUGE MANOMETER

Economical Pressure measurements.

- Replaces ordinary U-tube manometers
- Measures gas pressure easily and efficiently
- Direct reading, no plus or minus readings to add together as in old fashioned U-tubes
- Fills like a glass of water, no more troublesome air bubbles
- Strong magnet for mounting
- Heavy-duty construction
- Made of industrial grade, flexible PVC plastic
- Lightweight
- Easy to use

- ◆ HG15 water column height: 15 in.
 - ◆ Plastic: 30 to 36 in. of industrial grade flexible plastic
 - ◆ Hose fitting: All brass
- Includes:
- Mounting magnet

UPC	NO.
41225 1	HG15



HG15

DIGITAL CHARGING SCALE

Ideal for accurate charging of refrigerant containers.

- Constructed from rigid die cast aluminum
- Heavy duty load cell, built-in overload protection
- Low battery warning with auto power off
- Reading may be zeroed out at any time
- Reliable membrane key pad switches
- Measures lb., oz. and kg.
- Extra large LCD display
- Display unit is desk or wall mountable

- ◆ Capacity: 220 lbs (100 kg)
 - ◆ Accuracy: ± 1%
 - ◆ Resolution: 0.5 oz. (5g)
 - ◆ Operating Temperature: 32° to 115°F (0° to 45°C)
 - ◆ Battery Life: (approximately 40 hrs)
 - ◆ Platform Dimensions: 8-3/4 x 8-3/4 in. (22 x 22cm)
 - ◆ Power Source: 1 "9V" battery (included)
- Includes:
- Molded hard case

UPC	NO.
01245 1	DS300RC



DS300RC



CE
RoHS
VC9200

FEATURES

DIGITAL VACUUM METER WITH RS-232 COMPUTER INTERFACE

Heavy Duty Use for air, gas, oil etc.

- RS-232 computer interface
- Heavy duty vacuum sensor
- Use for air, oil, gas and more
- Various applications: Automobile, Industrial, Laboratory, Heating, Ventilation, Medical, Hospital
- Hold
- Record
- Min/Max Reading
- Large display
- CE and RoHS approved

SPECIFICATIONS

- ◆ Range:
1125 torr x 1 torr
1500 mbar x 1 mbar
 - ◆ Units:
torr, mmHg, micron, KPa, Pa, inch Hg, psi
 - ◆ Dimensions:
7.1 x 2.8 x 1.3 in. (180 x 72 x 32mm)
- Includes: • Molded hard case

UPC	NO.
47025 1	VC9200
41420 0	LSFT KIT PC Interface Kit (Optional)



CE
RoHS
TQ8800

TORQUE METER

Tightness of bolts, machinery adjustments.

- RS-232 computer interface
- 147.1 Newton-cm using remote sensor
- Peak mode
- Data hold
- Zero, Min/Max
- Selectable fast/slow sampling time
- 15 Kg-cm torque sensor included
- CE and RoHS approved

- ◆ 3 units: 15 Kg-cm/13LB-inch/147.1 N-cm
 - ◆ Dimensions:
7.1 x 2.8 x 1.3 in. (180 x 72 x 32mm)
 - ◆ Power Source: 1 "9V" battery (included)
- Includes: • Instructions
• Molded hard case

UPC	NO.
43060 6	TQ8800
41420 0	LSFT KIT PC Interface Kit (Optional)



CE
RoHS
VB8201HA

VIBRATION METER

Wide Frequency range for industrial usage.

- Selectable units of in/s or mm/s for Velocity and ft/s squared or m/s squared for Acceleration
- Remote vibration sensor on 39 in. (1m) cable
- Wide frequency range of 10Hz to 1kHz
- Min/Max record values for later recall
- Data hold
- Auto power off
- RMS or peak value measurement
- CE and RoHS approved

- ◆ Velocity range: 7.87 in/s or 200 mm/s
 - ◆ Acceleration range: 656 ft/s squared or 200 m/s squared
 - ◆ Dimensions:
7.1 x 2.8 x 1.3 in. (180 x 72 x 32mm)
 - ◆ Weight: 0.87 lbs. (395g)
 - ◆ Power Source: 1 "9V" battery (not included)
- Includes: • Remote sensor with 3.9 ft. cable
• Instructions
• Magnetic mount
• Molded hard case

UPC	NO.
43052 1	VB8201HA

FEATURES
SPECIFICATIONS
HARDNESS TESTER ASTM RATED - PEN-STYLE

Checks hardness on most metals. True hand-held compact model.

- Quick and reliable
- Wide measuring range: direct display of converted hardness values in Rockwell HRB, HRC, Vickers HV, Brinell HB and Shore HS
- Impact device provides testing at any angle, even upside down
- 1250 readings memory with data output USB
- Min/Max/Avg
- High accuracy $\pm 0.5\%$
- CE and RoHS approved

- ◆ Hardness parameter HL, HRC, HRB, HV, HB, HS
- ◆ Battery life: 16 hours continuous
- ◆ Auto Power Off: 2 Minutes non use

- ◆ Display functions: Hardness scale, hardness value, average indicator and average value, impact direction, type of impact device connected, memory reference
- ◆ Dimensions: 6.2 x 1.6) x 1 in. (158 x 41 x 26mm)
- ◆ Weight: 4.2 oz. (120g)
- ◆ Conforming to ASTM A 956
- Includes:
 - Main Unit
 - Impact Device
 - Cleaning Brush
 - Software and Cable
 - Certificate
 - Manual
 - Carrying Case

UPC	NO.
01304 5	EMHT40



CE
RoHS
EMHT40


DIGITAL HARDNESS TESTER

Checks hardness on most metals.

- Quick and reliable
- Wide measuring range in Hi value and direct display of converted hardness values in Rockwell HRB, HRC, Vickers HV, Brinell HB and Shore HS
- Impact device provides testing at any angle, even upside down
- 1250 readings memory with data output
- Date and time display
- Low-High settings • High accuracy $\pm 0.5\%$
- CE and RoHS approved

- ◆ Hardness parameter HL, HRC, HRB, HV, HB, HS
- ◆ Display functions: Hardness scale, hardness value, times, average indicator and average value, impact direction, type of impact device connected, memory reference, date, time, battery power consumption

- ◆ Accuracy: Within $\pm 0.5\%$ (or HLD=800)
- ◆ Memory: 1250 groups
- ◆ Output: RS-232 computer interface
- ◆ Dimensions: 4.25 x 2.5 x 1 in. (108 x 62 x 25mm)
- ◆ LCD Display dimensions: 5 x 2.5 in. (128 x 64mm)
- ◆ Weight: 6.4 oz. (180g) including impact device and printer
- ◆ Conforming to ASTM A 956
- ◆ Power Source: 2 "AAA" batteries (included)
- Includes: • Molded hard case

UPC	NO.
01263 5	UTEMHT20



NEW!

CE
RoHS
UTEMHT20

ULTRASONIC THICKNESS GAUGE

Suitable for steel, aluminum, glass etc.

- Easy to operate
- Suitable for steel, stainless steel, aluminum, glass, polystyrene, polyethylene
- 4000 readings memory
- Data output to PC or printer
- High-Low Limits setting
- Sound velocity range 1000 up to 9999m/s
- 4 digit LCD display with settings
- Fast calibration on integrated standard block of 4.00mm
- Backlight display for dark environment
- CE and RoHS approved

- ◆ Display: 128 x 32 LCD with backlight
- ◆ Measuring range: 0.026 - 9.843 in. (0.65 - 250mm)

- ◆ Velocity rate: 1000-9999m/s (0.0393-0.3936 inch/us)
- ◆ Display resolution selectable: - 0.01inch -0.001inch 0.1mm - 0.01mm
- ◆ Measurement accuracy: 0.65 - 9.99mm: +/- 0.04mm 10 - 99.99mm: +/- (0.1%+0.04)mm 100 - 250mm: +/- 0.3%
- ◆ Output: RS-232 computer interface
- ◆ Dimensions: 2.4 x 4.3 x 1.1 in. (61 x 108 x 28mm)
- ◆ Weight: 8 oz. (230g) including batteries
- ◆ Power Source: 2 "AAA" batteries (included)
- Includes: • Molded hard case

UPC	NO.
01262 8	UTEGEMTT2



NEW!

CE
RoHS
UTEGEMTT2



All refractometers have a metal body with cushioned eyepiece, a rubber hand grip, and a calibration screen. Included with each is a calibration screwdriver, a plastic pipette and a carrying case.

	ATC	INDUSTRIAL FLUIDS	LOW CONCENTRATION JUICES	FRUIT JUICE	HIGH CONCENTRATION JUICES	LOW DENSITY SOLUTIONS	SOFT DRINKS	CANNED GOODS	LOW SUGAR SOLUTIONS	HIGH SUGAR SOLUTIONS	CONDENSED MILK	6.2" L x 1.8" D - WEIGHT 7 OZ	7.5" X 1.3" D - WEIGHT 22 OZ	RESOLUTION (%)
MODEL REF101 (UPC 44420 9) BRIX 0-10%		X	X									X		0.10%
MODEL REF102 (UPC 44102 2) BRIX 0-20%		X				X						X		0.20%
MODEL REF103 (UPC 44103 9) HIGH RANGE BRIX 0-32%		X		X			X					X		0.20%
MODEL REF104 (UPC 44104 6) BRIX 28-62%		X			X			X		X		X		0.20%
MODEL REF105 (UPC 44105 3) BRIX 45-82%		X			X					X	X	X		0.50%
MODEL REF106 (UPC 44106 0) BRIX 58-92%		X	X	X	X	X	X	X		X	X		X	0.20%
MODEL REF111ATC (UPC 44101 5) LOW RANGE BRIX 0-10%	X	X	X									X		0.10%
MODEL REF112ATC (UPC 44112 1) BRIX 0-20% W/ ATC	X		X						X			X		0.20%
MODEL REF113ATC (UPC 44113 8) HIGH RANGE BRIX 0-32%	X	X		X			X					X		0.20%
MODEL REF114ATC (UPC 44114 5) BRIX 28-62%	X	X			X			X		X		X		0.20%
MODEL REF107 (UPC 04410 7) BRIX 0-90%		X	X	X	X	X	X	X	X	X		X		



	ATC	OILS, HIGH MV POLYMERS SEAWATER, BRINE	SALINITY	6.2" L x 1.8" D - WEIGHT 7 OZ	7.5" X 1.3" D - WEIGHT 22 OZ	RESOLUTION (%)
MODEL REF201 (UPC 44116 9) SALINITY 0-100%		X	X	X		0.10%
MODEL REF202 (UPC 44115 2) SALINITY 0-28%		X	X	X		0.20%
MODEL REF211ATC (UPC 44120 6) SALINITY 0-10%, & SPECIFIC GRAVITY 1.0 - 1.070	X	X	X	X		0.10%, 0.001SG

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	ATC	INDUSTRIAL FLUIDS	OILS, HIGH MV POLYMERS	PROTEIN, URINE	BLOOD SERUM, PLASMA, ALBUMEN	ETHYLENE & PROPYLENE GLYCOL	BRAKE FLUID	6.2" L x 1.8" D - WEIGHT 7 OZ	7.5" X 1.3" D - WEIGHT 22 OZ	RESOLUTION (%)
MODEL REF304 (UPC 44314 9) PROTEIN & URINE 0-12g/dl				X				X		0.2g/gl, 0.005UG, 0.0005ND
MODEL REF312ATC (UPC 44312 5) PROTEIN & URINE, 1.000-1.050sg, 1.3330-1.3600RI Protein in Serum	X			X	X			X		0-12g/dl 0.002sg, 0.00025 RI
MODEL REF401 (UPC 44401 6) GYCOL & BREAK FLUID -60 to 32°F, 1.15 to 1.3 S/G						X	X	X		10°F, 0.01 S/G
MODEL REF402 (UPC 44410 8) GYCOL & BREAK FLUID -50 to 0°C, 1.15 to 1.3 S/G						X		X		5°C, 0.01 S/G
MODEL REF109B (UPC 44108 4) REFRIGERANT OILS 1.435 - 1.520 ND		X	X					X		0.001 ND
MODEL REF500COT (UPC 44413 9) Oil, Water & Fluid 1.333 - 1.3840 RI		X								0.2%

DIGITAL WIDE RANGE BRIX REFRACTOMETER

- ATC auto off- 3 min. idle
- Conversion °F/°C degree
- Low voltage alarm
- ◆ Range: 32° to 104°F (0° to 40°C)
- ◆ Precision: +1°C
- ◆ Measure resolution: 0.1°C
- ◆ Brix: 0 to 35%

- ◆ Resolution: 0.1
- ◆ Accuracy: +0.1
- ◆ Ref index: 1.3330 to 1.3900
- ◆ Resolution: .0001
- ◆ Accuracy: +.0003
- ◆ Dimensions: 6.3 x 1.4 in. (160 x 35mm)
- ◆ Power Source: 1 "9V" battery (included)
- Includes: • Carrying case

UPC	NO.
44425 2	DREF45-121



DREF45-121

DIGITAL WIDE RANGE PROTEIN/URINE REFRACTOMETER

- ATC auto off- 3 min. idle
- Conversion: °F & °C degree
- Low voltage alarm
- ◆ Urine: 1.000 to 1.050sg
- ◆ Res. 0.001, Acc. +0.001
- ◆ Protein: 0 to 12g/dl

- ◆ Resolution: 0.1, Acc. +.1
- ◆ Ref index: 1.3330 to 1.3900
- ◆ Resolution: .0001
- ◆ Accuracy: +.0003
- ◆ Dimensions: 6.3 x 1.4 in. (160 x 35mm)
- ◆ Power Source: 1 "9V" battery (included)
- Includes • Carrying case

UPC	NO.
44402 7	DREF/UP320



DREF/UP320

FEATURES

SPECIFICATIONS



CE
RoHS
PT800

MINI PHOTO TACHOMETER

Non-Contact, ideal for high speed motors.

- Affix a reflective tape to the rotating element to measure
- Precise non-contact measurement
- Auto ranging display
- Two operate buttons for any angle
- Hold function to freeze rotating
- Auto power off (with disable)
- Low battery indicator
- CE and RoHS approved

- ◆ Range: 10 to 99,999 RPM
- ◆ Resolution: 0.001; 0.01; 0.1; 1 RPM
- ◆ Accuracy: $\pm 0.04\%$ + 2 digits
- ◆ Sampling time:
1 sec. (>60 RPM); >1 sec. (10 to 60 RPM)
- ◆ Dimensions:
4.8 x 2 x 1.3 in. (122 x 51 x 33mm)
- ◆ Power Source: 1 "9V" battery (included)
- Includes: • Reflecting tape

UPC	NO.
43020 0	PT800



CE
RoHS
CT801

MINI CONTACT TACHOMETER

Primarily used for smaller motor speeds.

- Measure rotating object by changing contact wheels
- Precise contact measurement
- Auto ranging display
- Two operate buttons for any angle
- Hold function to freeze speed
- Auto power off (with disable)
- Low battery indicator
- CE and RoHS approved

- ◆ Contact range: 10 to 99,999 RPM
- ◆ Surface speed: 3 to 30,000 ft/min
- ◆ Resolution: 0.001; 0.01; 0.1; 1 RPM
- ◆ Accuracy: $\pm 0.04\%$ + 2 digits
- ◆ Sampling: 1 sec. (>60 rpm.)
- ◆ Dimensions:
5.9 x 2 x 1.3 in. (149.9 x 50.8 x 33mm)
- ◆ Power Source: 1 "9V" battery (included)
- Includes: • Multiple wheels

UPC	NO.
43025 5	CT801



CE
RoHS
DS2239

DIGITAL STROBOSCOPE

Ideal to use for timing such as automotive or machinery calibration.

- 110V AC
- Accuracy: $\pm 6.05\%$ + 1 digits
- Xenon flash tube
- Display: 10mm Red LED
- AC power
- CE and RoHS approved

- ◆ Xenon flash tube
- ◆ Display: 10mm Red LED
- ◆ Range: 100-10,000 RPM
- ◆ Accuracy: $\pm 0.05\%$ +1d
- ◆ Dimensions:
8.3 x 4.7 x 4.7 in. (210 x 120 x 120mm)
- Includes: • 1 AC cable for battery charge

UPC	NO.
40239 9	DS2239



LT2234C

LASER TACHOMETER

Non-Contact, Ideal for high speed motors.

- Jumbo display
- 5 digit LCD display
- Auto ranging
- Wide measuring range
- Laser targeting
- Memory: Min/Max/Last

- ◆ Range: 2.5 - 99,999 RPM
- ◆ Resolution: 0.1 RPM (2.5 - 999 RPM)
1 RPM (over 10,000 RPM)
- ◆ Accuracy: 0.025 + 1 digit
- ◆ Sampling time: 1 sec.
- ◆ Power Source: 3 "AAA" batteries (included)
- Includes: • Instructions
• Molded hard case

UPC	NO.
42120 8	LT2234C

FEATURES

SPECIFICATIONS

CONTACT/NON-CONTACT TACHOMETER

Can be used in a wide variety of RPM and surface speed measurements.

- Measurement types: Rotation speed (RPM); Total revolutions (REV); Surface speed (I/M, M/M, Y/M, F/M) and Length (M, YD, FT)
- Non-contact RPM measurements up to 100cm from target
- Laser Diode Detection
- Laser sighting
- LCD display
- Auto power off
- 40 point memory: 10 selectable MAX, 10 selectable MIN, 10 selectable AVG, and 10 selectable DATA measurements
- Ultra low power consumption in shutdown mode
- CE and RoHS approved



- ◆ Non-contact range: 6.0 – 99,999 (RPM)
 - ◆ Contact range: 6.0 – 25,000 (RPM)
 - ◆ Surface speed range: 0.6 – 25,000.0 (M/M), 0.7 – 2734.0 (Y/M), 23.6 – 98425 (I/M), 2.0 – 8202.1 (F/M)
 - ◆ Length range: 1 – 99,999 (REV)
 - ◆ Resolution: 6.0 – 9999.9 RPM : 0.1 RPM, 10,000 – 99,999 RPM : 1 RPM
 - ◆ Accuracy of Resolution: 6.0 – 5999.9 RPM: +/-0.01% and +/-1 digit 5999.9 – 99,999 RPM: +/-0.05% and +/-1 digit
 - ◆ Response time: 1 second
 - ◆ Operating temperature: 32° – 212°F (0° – 50°C), 10 – 90%RH
 - ◆ Dimensions: 5.79 x 1.93 x 1.14 in. (147 x 49 x 29mm)
 - ◆ Weight: 3.4 oz. (95g) approx. without battery; Contact adapter: 1.7 oz. (50g)
 - ◆ Power Source: 1 “9V” battery (not included)
- Includes:
- Cone adapter
 - Funnel adapter
 - Contact adapter
 - Master wheel (10cm)
 - Reflective tape 0.59 x 20.67 in. (15 x 525mm)
 - Molded hard case

UPC	NO.
40900 8	PCT900



CE
RoHS
PCT900

LASER PHOTO/CONTACT TACHOMETER

Can be used in a wide variety of RPM and surface speed requirements.

- Precise contact measurement
- Auto power off (with disable)
- Jumbo display
- 5 digit LCD
- Memory Min/Max/Last
- 2.3 to 6,560 RPM
- Contact: 0.5 to 1.999 RPM

- ◆ Contact range: 10 to 99,999 RPM
 - ◆ Surface speed: 3 to 30,000 ft./min.
 - ◆ Resolution: 0.001; 0.01; 0.1; 1 RPM
 - ◆ Accuracy: ±0.04% + 2 digits
 - ◆ Sampling: 1 sec. (>60 rpm)
 - ◆ Dimensions: 5.9 x 2 x 1.3 in. (150 x 51 x 33mm)
 - ◆ Power Source: 1 “9V” battery (included)
- Includes:
- Spare wheels
 - Molded hard case

UPC	NO.
42110 9	PCT2236B



PCT2236B

CONTACT TACHOMETER

Primarily used for motor speeds.

- Jumbo display
- 5 digit LCD display
- Auto ranging
- Surface speed m/min
- Memory: Min/Max/Last

- ◆ Range: 0.5 - 19,999 RPM
 - ◆ Resolution: 0.1 RPM (0.5 to 99,999 RPM) 1 RPM (over 1000 RPM)
 - ◆ Sample time: 0.55 sec.
 - ◆ Power Source: 4 “AA” batteries (not included)
- Includes:
- Instructions
 - Molded hard case

UPC	NO.
42115 4	CT6235B



CT6235B



CE
RoHS
HWA4204HA

FEATURES

DIGITAL HOTWIRE ANEMOMETER WITH RS-232 COMPUTER INTERFACE

Ideal for fans/motors/blowers, furnace velocities, paint spray booths, environmental testing.

- For lower velocity measurements
- Slim probe
- Large 1.4 in. (36mm) dual LCD display
- Heavy duty case
- Data hold
- Records Min/Max readings
- Auto power off
- RS-232 computer interface
- Telescoping probe is ideal for measuring in HVAC ducts and other small vents; extends up to 4 ft.
- CE and RoHS approved

SPECIFICATIONS

- ◆ Temperature: 32° to 122°F (0° to 50°C)
- ◆ Airflow: 0.2 - 20 m/s
0.7 - 72 km/h
40 - 3940 ft/min
0.5 - 44.7 mile/h
0.4 - 38.8 knots

- ◆ Power Source:
1 "CR2032" battery (included)
4 "AA" batteries (not included)

Includes: • Molded hard case and probe

UPC	NO.
40120 0	HWA4204HA
40121 7	P4204 Replacement Vane (Optional)
41420 0	LSFT KIT PC Interface Kit (Optional)



CE
RoHS
DAF80MIN

MINI VANE ANEMOMETER WITH TEMPERATURE

Air Circulation, Obstructions, Ducts.

- Single Hand Airflow Measurement
- Lightweight and small size
- 2 piece instrument
- Metal probe
- Digital display
- Mini Vane
- RS-232 computer interface
- CE and RoHS approved

- ◆ Range: 0.8 to 12 m/s
 - ◆ 9999 count LCD
 - ◆ m/s, ft/min, km/h, knots, mile/h, Temp
 - ◆ Basic accuracy:
+/-2% rdg; +/-1.5°F (+/-0.8°C)
 - ◆ Power Source: 1 "9V" battery (not included)
- Includes: • Molded hard case and probe

UPC	NO.
40125 5	DAF80MIN
40137 8	P80MIN Replacement probe (Optional)
41420 0	LSFT KIT PC Interface Kit (Optional)



CE
RoHS
DAF80PW

HEAVY DUTY ANEMOMETER WITH TEMPERATURE

Spray Booths, Blowers, Fans.

- 2 piece instrument
- Digital display
- Plastic Vane
- Metal probe
- Heavy duty
- RS-232 computer interface
- Data hold
- Records Min/Max readings
- CE and RoHS approved

- ◆ Range: 0.4 to 25 m/s
 - ◆ 9999 count LCD
 - ◆ m/s, ft/min, km/h, knots, mile/h
 - ◆ Temperature: 32° to 122°F; (0° to 50°C)
 - ◆ Basic accuracy:
+/-2% rdg; +/-1.5°F (+/-0.8°C)
 - ◆ Vane: 2.83 in. (72mm)
 - ◆ Power Source: 1 "9V" battery (not included)
- Includes: • Molded hard case and probe

UPC	NO.
40130 9	DAF80PW
01253 6	P80W Replacement probe (Optional)
41420 0	LSFT KIT PC Interface Kit (Optional)



CE
RoHS
DAF80PWM

HIGH TEMPERATURE METAL VANE ANEMOMETER

HVAC/R Environment, Exhausts, Blowers.

- 2 Piece Digital Metal Vane Anemometer
- Metal probe
- Heavy duty
- RS232 computer interface
- Data hold
- Records Min/Max readings
- Airflow displayed in 3 modes:
-Instant value
-up to 20 point average
-2/3 flow value
- CE and RoHS approved

- ◆ Range: 0.5 to 35 m/s; 100 to 7880 ft/min;
1.8 to 144.0 km/h; 1.0 to 78.1 knots;
1.1 to 89.4 mph
 - ◆ 9999 count LCD
 - ◆ Temperature: 32° to 175°F (0° to 80°C)
 - ◆ Measures: m/s, ft/min, km/h, knots, mile/h, temperature
 - ◆ Power Source: 1 "9V" battery (not included)
- Includes: • Molded hard case and probe

UPC	NO.
40135 4	DAF80PWM
40136 1	P80M Replacement vane (Optional)
41420 0	LSFT KIT PC Interface Kit (Optional)

FEATURES

DIGITAL ONE PIECE AIRFLOW METER WITH CFM DISPLAY

HVAC/R Environment, Exhausts, Blowers.

- Displays: CFM, FPM, MPH, KPH, MPS, temp and knots
- Single hand airflow measurement
- Handy recessed service grip
- Single and multi-point average
- RS-232 output
- Min/Max
- Data hold
- °F/°C switch
- CE and RoHS approved

SPECIFICATIONS

- ◆ Range: 14° to 122°F (-10° to 50°C)
 - ◆ Airflow velocity range: 0 to 99,999 CFM
Air velocity range: 80 to 5900 FPM (0.4 to 30 m/s)
 - ◆ Accuracy: ±3% full scale, ±2°F (±1°C)
 - ◆ Resolution: 1 ft/min (0.01 m/sec), 0.1°
 - ◆ Dimensions: 7 x 2.5 x 1.75 in. (183 x 76 x 45mm); Fan: 2.8 in. (70mm)
 - ◆ Display size: 1.25 x 1.625 in.
 - ◆ Power Source: 1 "9V" battery (included)
- Includes: • Molded hard case

UPC	NO.
40015 9	DCFM8906
80906 4	DCFM8906CERT
12710 0	ASFT KIT PC Interface Kit (Optional)



CE
RoHS

DCFM8906
DCFM8906CERT

DIGITAL TWO PIECE AIRFLOW METER WITH RS-232 COMPUTER INTERFACE

Measures air velocity, calculated air volume flow, air temperature.

- Instant display of CFM, FPM, CMS, MPS and temperature
- Min/Max
- Data hold
- Single point average
- Multi-point average
- RS-232 computer interface
- °F/°C switch
- CE and RoHS approved

- ◆ Range: 14° to 122°F (-10° to 50°C)
 - ◆ Airflow volume range: 0 to 9,999 CFM
Air velocity range: 80 to 6900 FPM (0.4 to 35 m/s)
 - ◆ Accuracy: ±2% full scale, ±1°F (±0.6°C)
 - ◆ Resolution: 1 ft/min (0.01 m/sec), 0.1°
 - ◆ Cord length: 20.5 in. extends to 4.5 ft.
 - ◆ Dimensions: 7.1 x 2.8 x 1.5 in. (181 x 71 x 38mm); Fan: 2.9" (73mm)
 - ◆ Weight: 10.4 oz. (295g)
 - ◆ Power Source: 1 "9V" battery (included)
- Includes: • 1 Remote probe
• Molded hard case

UPC	NO.
40005 0	DCFM8901
01252 9	DCFM8901CERT
40006 7	P8901 Replacement Vane
12710 0	ASFT KIT PC Interface Kit (Optional)



CE
RoHS

DCFM8901
DCFM8901CERT

DIGITAL ANEMOMETER WITH CFM

HVAC/R Environment, Exhausts, Blowers.

- Instant Display for Air Velocity and Temperature
- Min/Max/Avg
- Easy Airflow Volume Calculation (CFM/cmm)
- 10 Memory Data Storage/ Recalling/ Clearing
- Data Hold/Test Function
- Low Battery Indication
- Auto Power Off
- CE and RoHS approved

- ◆ Range: -58° to 158°F (-50° to 70°C)
- ◆ Resolution: ± 0.1°
- ◆ Accuracy: ±0.9°F for 32° to 122°F (±0.5°C for 0° to +50°C), otherwise 1.8°F (±1°C)
- ◆ CFM range: 0 to 99,999
FPM range: 0 to 8800
- ◆ Operating Environment: -14° to 158°F (-10° to 70°C)
- ◆ Storage Environment: -14° to 158°F (-10° to 70°C)
- ◆ Sampling Time: 1 second
- ◆ Dimensions:
Meter: 6.9 x 3.3 x 1.4 in. (175 x 85 x 35mm)
Vane: 6.1 x 3 x 1.4 in. (170 x 75 x 35mm)
- ◆ Weight: 10 oz. (280g)
- ◆ Power Source: 3 "AAA" batteries (included)

Includes: • Molded hard case

UPC	NO.
40700 4	DCFM700



CE
RoHS
DCFM700

INDUSTRIAL



WDCFM8912
WDCFM8912CERT



FEATURES

DIGITAL AIRFLOW METER WITH CFM, BTU, TEMP, HUMIDITY, DP, FPM, MPH, KPH, MPS, KNOTS & WET BULB

HVAC Environment, Exhausts, Blowers.

- Single hand airflow measurement
 - Handy recessed service grip
 - Single and multi-point average
 - RS-232 computer interface
 - Min/Max
 - Data hold
 - °F/°C switch
 - CE and RoHS approved
- ◆ Range: -4° to 140°F (-20° to 60°C):
+/-1F(.6C)
Resolution: 0.1°F (0.1°C)
 - ◆ Relative Humidity: 0 to 100%:
+/-3% 0-90%, +/-5% other ranges
Resolution: 0.1%
 - ◆ Dew Point: -90° to 158°F (-68° to 70°C)
Resolution: 0.1°F (0.1°C)

SPECIFICATIONS

- ◆ Wet Bulb Temperature:
-7.6° to 158°F (-22° to 70°C)
Resolution: 0.1°F (0.1°C)
 - ◆ Air Velocity: 1 to 114 ft./S (0.3 to 35m/S)
Accuracy: +/- 5% Resolution: 0.1
 - ◆ Air Volume:
0 to 99999cfm (0 to 99999m3/S)
Accuracy: +/-5% Resolution: 0.1
 - ◆ BTU Capacity: 0-99999BTU (KW)
Resolution: 0.1 (0-9999), 1 (10000-99999)
 - ◆ Dimensions:
Vane: 6.6 x 3.0 x 2.7 in. (170 x 77 x 40mm)
Meter: 6.8 x 2.7 x 1.2 in. (175 x 70 x 33mm)
 - ◆ Weight: 10.4 oz. (295g)
 - ◆ Power Source: 4 "AA" batteries (included)
- Includes: • Hard case

UPC	NO.
01249 9	WDCFM8912
01300 7	WDCFM8912CERT
12710 0	ASFT KIT PC Interface Kit (Optional)
01291 8	P8912 Replacement Vane (Optional)

HOT WIRE ANEMOMETER WITH REAL-TIME DATA LOGGER

Food Processing, Grain Storage and Drying.

- High capacity 16,000 data logger nos.
- Real-time data logger - records Year, Month, Date, Hour, Minute and Second
- Reads Air Velocity, Airflow, Temperature and "K" and "J" Type temperature
- Hot Wire Anemometer, High Precision for low air velocity measurement
- Telescopic Probe
- RS-232 computer interface
- Jumbo LCD display
- Min/Max
- Data Hold
- Zero Adjustment
- CE and RoHS approved

- ◆ Range: 0.2 to 20.0m/S CMM and CFM
 - ◆ Dimensions:
8 x 3 x 1.5 in. (203 x 76 x 38mm)
 - ◆ Power Source:
1 "CR2023" battery (included)
4 "AA" batteries (not included)
- Includes: • Molded hard case

UPC	NO.
40119 4	HWA2005DL
01259 8	PHWA2005 Replacement probe (Optional)
41420 0	LSFT KIT PC Interface Kit (Optional)



HWA2005DL



HIGH TEMPERATURE DATA LOGGING AIRFLOW METER

HVAC/R Environment, Exhausts, Blowers.

- High Capacity 16,000 Data Points
- Real-time data logger - records Year, Month, Date, Hour, Minute and Second
- Measures Air Velocity, Airflow, Temperature and Type "K" and "J" Temperature
- Heavy Duty Metal Vane
- Jumbo LCD Display
- Min/Max
- Data Hold
- RS-232 computer interface
- CE and RoHS approved

- ◆ Temperature: 32° to 122°F (0° to 50°C)
 - ◆ Range: .5 to 30.0m/S CMM, CFM
 - ◆ 9999 count LCD
 - ◆ Dimensions:
7.9 x 2.9 x 1.4 in. (203 x 76 x 38mm)
 - ◆ Power Source: 4 "AA" batteries (included)
- Includes: • Molded hard case and probe

UPC	NO.
40133 0	DAF2005MDL
01260 4	P2005DAF Replacement probe (Optional)
41420 0	LSFT KIT PC Interface Kit (Optional)



DAF2005MDL



FEATURES

MINI AIRFLOW/TEMPERATURE, METER WITH WINDCHILL, COMPASS, PRESSURE & ALTITUDE

Comfort Levels, Food Processing, Outdoors.

- Measures Windspeed, Maximum windspeed, Temperature, Windchill factor
- Digital compass
- Altitude
- Barometric air pressure
- 48-hr history of pressure and altitude
- Backlight display
- One button operation
- Weatherproof (can be submerged 6 ft.)
- Completely sealed; internal sensors
- Stainless steel back
- Auto-off after one minute (can be disabled to remain on)
- Designed in Switzerland
- CE and RoHS approved

SPECIFICATIONS

- ◆ Temperature Range: -58° to 212°F (-50° to 100°C)
Resolution: 0.2°F (-0.1°C)
Accuracy: +/- 0.5°F (+/- 0.3°C)
Measuring Cycle: Twice per second
- ◆ Windspeed:
Units: km/h, mph, m/s, fps, knots
Range: 0.7 to over 94 mph
1.1 to over 150km/h
Resolution: 0.1 unit
Accuracy: +/- 3% from 2.0 to 94 mph (3.1 to 150km/h)
Measuring Cycle: Twice per second
- ◆ Compass: Range: 0° to 359° off North
Resolution: 1°
Accuracy: +/- 4° when calibrated
Measuring Cycle: Twice per second
- ◆ Altitude: -2,300 to 29,500 ft. (-700 to 9,000m)
Resolution: 3 ft. (1m)
Measuring Cycle: Once per second
- ◆ Pressure: 8.86 to 32.50 inHg (300 to 1100 hPa)
Resolution: 0.01 inHg, 1 hPa
Accuracy: +/- 0.03 inHg (+/- 1 hPa)
Measuring Cycle: Once per second
- ◆ Dimensions: 3.5 x 1.5 x 0.75 in. (41 x 93 x 17mm)
- ◆ Weight: 2 oz. (50g)
- ◆ Power Source: Replaceable Lithium battery (included and installed)

Includes: • Lanyard

UPC	NO.
00400 5	DAF4000



CE
RoHS
DAF4000

MINI AIRFLOW/TEMPERATURE METER WITH WIND CHILL AND COMPASS

Comfort Levels, Outdoors.

- Measures Windspeed, Maximum windspeed, Temperature, Windchill factor
- Digital compass
- Backlight display
- One button operation
- Weatherproof (can be submerged 6 ft.)
- Completely sealed; internal sensors
- Stainless steel back
- Auto-off after one minute (can be disabled to remain on)
- Designed in Switzerland
- CE and RoHS approved

- ◆ Temperature Range: -58° to 212°F (-50° to 100°C)
Resolution: 0.2°F (-0.1°C)
Accuracy: +/- 0.5°F (+/- 0.3°C)
Measuring Cycle: Twice per second
- ◆ Windspeed:
Units: km/h, mph, m/s, fps, knots
Range: 0.7 to over 94 mph
1.1 to over 150km/h
Resolution: 0.1 unit
Accuracy: +/- 3% from 2.0 to 94 mph (3.1 to 150km/h)
Measuring Cycle: Twice per second
- ◆ Compass: Range: 0° to 359° off North
Resolution: 1°
Accuracy: +/- 4° when calibrated
Measuring Cycle: Twice per second
- ◆ Dimensions: 3.5 x 1.5 x 0.75 in. (41 x 93 x 17mm)
- ◆ Weight: 2 oz. (50g)
- ◆ Power Source: Replaceable Lithium battery (included and installed)

Includes: • Lanyard

UPC	NO.
50330 0	DAF3300



CE
RoHS
DAF3300



CE
RoHS
DAF3010

FEATURES

MINI AIRFLOW/TEMPERATURE METER WITH WIND CHILL

Measures wind speed and temperature.

- Measures Windspeed, Maximum windspeed, Temperature, Windchill factor
- EL Backlight
- One button operation
- Weatherproof (can be submerged 6 feet)
- Completely sealed; internal sensors
- Stainless steel back
- Auto-off after one minute (can be disabled to remain on)
- Designed in Switzerland

SPECIFICATIONS

- ♦ Range: -58° to 212°F (-50° to 100°C)
Resolution: 0.2°F (-0.1°C)
Accuracy: +/- 0.5°F (+/- 0.3°C)
Measuring Cycle: Twice per second
- ♦ Windspeed:
Units: km/h, mph, m/s, fps, knots
Range: 0.7 to over 94 mph
1.1 to over 150km/h
Resolution: 0.1 unit
Accuracy: +/- 3% from 2.0 to 94 mph
(3.1 to 150km/h)
Measuring Cycle: Twice per second
- ♦ Dimensions:
3.5 x 1.5 x 0.75 in. (41 x 93 x 17mm)
- ♦ Weight: 2 oz. (50g)
- ♦ Power Source: 1 "Lithium" battery (included)
Includes: • Lanyard

UPC	NO.
40115 6	DAF3010



CE
RoHS
DAF3010A

MINI WATER PROOF DIGITAL AIRFLOW METER WITH TEMPERATURE AND WIND CHILL

Ideal for HVAC/R contractors to measure airflow in ducts, at grill returns, etc. Also great for automotive technicians to diagnose any AC and ventilation related issues.

- Measures wind speed, temperature and wind chill
- Displays wind speed in M/H, FT/M, KNT, M/S, KMH and Beaufort
- °C/°F switchable
- Protective cap ensures sensitive impeller is protected from the elements and occasional drops
- Data hold
- Max wind speed reading
- Low battery indicator
- Auto-off
- CE certified

- ♦ Air Speed Range (Resolution):
60-3937FT/M (2) 0.5-44.7 M/H (0.1)
0.4 - 38.8 KNT (0.1) 1.1 - 20.0 M/S (0.1)
0.9-72.0 KMH (0.1) 1-8 Beaufort (1)
- ♦ Air Speed Accuracy: +/- 5%
- ♦ Temperature range (resolution): 32° - 122°F (0.1) or 0° - 50°C (0.1)
- ♦ Temperature accuracy: +/- 2°F (1°C)
- ♦ Battery life: 48 hours (continuous use)
- ♦ Dimensions:
5.1 x 1.7 x 0.6 in. (130 x 43.5 x 16mm)
- ♦ Weight: 5oz. (142g) approximately

UPC	NO.
01405 9	DAF3010A



DAF3010B

AIRFLOW SEEKER™ DIGITAL AIRFLOW METER

Ideal for contractors, auto technicians and homeowners to measure and monitor the airflow efficiency in AC and ventilation systems and for outdoor use.

- Measures current, average, or maximum wind speed
- Wind chill indication
- LCD display with backlight for easy reading
- Selectable air speed units of ft/min, m/s, km/hr, MPH, and Knots for maximum applications
- °F/°C switchable for temperature measurement
- Battery status indication

- ♦ Operating Environment:
Temperature: 32° to 113°F (0 to 45°C)
Relative humidity: <80%
- ♦ Storage Environment:
Temperature: 14° to 122°F (-10 to 50°C)
Relative humidity: <85%
- ♦ Dimensions: 5 x 3 x 1 in. (120 x 70 x 26.5mm)
- ♦ Weight: 2.5 oz. (70g) (including battery)
- ♦ Power Source: 1 "CR2032" battery or "3V" button cell (included)
- ♦ Power Source: 1 "9V" battery (not included)

UPC	NO.
40105 7	DAF3010B

INDUSTRIAL

Outdoor Mini Anemometers

FEATURES
4-IN-1 ENVIRONMENTAL AIRFLOW METER

Measures airflow, humidity, temperature and light.

- 4-in-1 professional measuring instrument: Anemometer/Hygrometer/Thermometer/Light meter
- Bone shape with lightweight and small size case
- Wristlet design provides extra protection to the instrument especially for user one hand operation
- Low-friction ball bearing mounted wheel design provides high accuracy at high and low air velocity
- Exclusive photo diode and color correction filter
- High precision thin-film capacitance humidity sensor with fast response to the humidity changes.
- Standard type "K" (NiCr-NiAl) thermocouple input
- Built-in microprocessor circuit assures accuracy
- CE and RoHS approved

SPECIFICATIONS

- ◆ Ambient range: 32° to 122°F (0° to 50°C)
- ◆ "K" type range: 32° to 932°F (0° to 500°C)
- ◆ Airflow: 0.4 - 30m/S
- ◆ Humidity: 10 - 95 r/t
- ◆ Light: 0 - 2,000 fc, 0 - 20,000 LUX
- ◆ Spectrum meets C.I.E. photopic
- ◆ Display: 8mm LCD display
- ◆ Power Source: 1 "9V" battery (not included)

- Includes:
- Safety strap
 - Optional C4 case
 - Optional: "K" type thermocouple probes (not included)

UPC	NO.
40110 1	DLAF8000
40111 8	DLAF8000C with case
25015 0	TPK500 "K" type thermometer (Optional)



CE
RoHS
DLAF8000
DLAF8000C

MINI DIGITAL AIRFLOW METER

Measures airflow in ducts, at grill returns, and helps balance systems.

- Airflow displayed in 5 measuring units (ft/min, m/s, km/h, MPH, knots)
- Min/max button with recall feature
- Data hold freezes current value
- Lightweight, easy-to-hold shape
- Low friction ball vane wheel provides high accuracy at all air velocities
- Auto power off after 10 minutes of inactivity
- CE and RoHS approved

- ◆ Ambient range: 32° to 132°F (0° to 50°C)
 - ◆ Airflow range: 80 to 5910 FPM (0.4 to 30m/S)
 - ◆ Accuracy: ±3% full scale
 - ◆ Resolution: 1 ft/min (0.1 m/sec)
 - ◆ Dimensions: 6.15 x 2.36 x 1.29 in. (156 x 60 x 33mm)
 - ◆ Weight: 5.6 oz. (159g)
 - ◆ Power Source: 1 "9V" battery (not included)
- Includes: • Lanyard

UPC	NO.
40105 7	DAF800



CE
RoHS
DAF800

FLOW WATCH

For water and air speed measurements.

- Displays instant speed
- Average (3 sec.-24 hr.) min and max speed Temperature
- Speed units: km, h, m/s, knots, mph, fps and cm/s
- Backlight
- Aluminum bottom plate for tripod attachment
- Waterproof
- Engineered in Switzerland
- CE and RoHS approved

- ◆ Operating temp: -4° to 158°F (-20° to 70°C)
 - ◆ Dimensions: 6.1 x 2.6 in. (155 x 65mm)
 - ◆ Power Source: 2 "AA" batteries (included)
- Includes:
- Display unit
 - Air Impeller 0.47 and 0.79 in. (12 and 20mm)
 - Water impeller 2.36 in. (60mm)
 - Aluminum telescopic rod: 3.9 ft. (1.2m) w 6.6 ft. (2m) cable
 - 3.9 in. (10cm) probe
 - 59 ft. (15m) sounding cable with water speed impeller
 - Aluminum carrying case with all accessories

UPC	NO.
01374 8	FW450



CE
RoHS
FW450

INDUSTRIAL