

## therma-anemometers

### hand held instruments

#### 89088 therma-anemometer

The 89088 mini hand held combined anemometer and thermometer is a general purpose vane air speed meter that simultaneously displays both air flow measurement and temperature.

The instrument measures airflow over the range of 1.1 to 20.0 metres per second (60 to 3937 feet per minute) with a resolution of 0.1 metres per second (2 feet per minute) and temperature over the range of 0 to +50°C with a resolution of 0.1°C.

The 89088 is housed in a robust ABS case and features a custom LCD display. The instrument is ideal for ventilation surveys, air conditioning, heating and environmental monitoring.



order code	description
825-908	89088 therma-anemometer

specification	89088 therma-anemometer
range	1.1-20 mtrs/sec & 0 to +50°C
resolution	0.1 mtrs/sec or 2 ft/min & 0.1°C
accuracy	±5% of reading (air speed) ±1°C
battery & battery life	3 volt CR2032 lithium coin cell - 50 hours
dimensions	16 x 44 x 130mm
weight	85 grams

#### 8903 therma-anemometer

The 8903 hand held combined anemometer and thermometer is an accurate, general purpose vane air speed meter that simultaneously displays air flow measurement and temperature. The instrument measures airflow over the range of 0.4-30 metres per second (80-5900 feet per minute) with a resolution of 0.01 metres per second (1 feet per minute) and temperature over the range of -10 to +50°C with a resolution of 0.1°C.

The 8903 is housed in a robust ABS case and features a large, custom LCD display. The unit incorporates an integral probe for one-handed operation and calculates air velocity averages for multi-point readings. The 8903 is supplied with a protective carrying case.



order code	description
825-903	8903 therma-anemometer

specification	8903 therma-anemometer
range	0.4-30 mtrs/sec & -10 to +50°C
resolution	0.01 mtrs/sec or 1 ft/min & 0.1°C
accuracy	±3% of reading (air speed) ±0.6°C
battery & battery life	9 volt PP3 - 400 hours
dimensions	45 x 76 x 183mm
weight	200 grams

#### 8901 therma-anemometer

The 8901 hand held anemometer and thermometer is a general purpose vane air speed meter that simultaneously displays air flow measurement and temperature. The instrument measures airflow over the range of 0.4-35 metres per second (80-6900 feet per minute), with a resolution of 0.01 metres per second (1 feet per minute) and temperature over the range of -10 to +50°C with a resolution of 0.1°C.

The 8901 is housed in a robust ABS case and features a large, custom LCD display with hold, low battery, average, max/min and air volume indications. The unit incorporates a remote probe and calculates air velocity averages for multi-point readings. The 8901 therma-anemometer is supplied with a protective carrying case.



order code	description
825-901	8901 therma-anemometer

specification	8901 therma-anemometer
range	0.4-35 mtrs/sec & -10 to +50°C
resolution	0.01 mtrs/sec or 1 ft/min & 0.1°C
accuracy	±2% of reading (air speed) ±0.6°C
battery & battery life	9 volt PP3 - 100 hours
dimensions	38 x 71 x 181mm
weight	350 grams

## refractometers optical instruments

- ✓ measures sugar (Brix) & salt (Salinity) content in liquids
- ✓ easy to use - suitable for many industries

This range of general purpose refractometers are optical instruments for measuring the content of dissolved solids in aqueous solutions. The instruments work on the principle of light refraction through liquids. When passing light through a liquid, the refracted angle will be shown on the scale to determine the amount of dissolved solids in the liquid. The refractometers are manufactured from corrosion resistant sateen brass and incorporate a rubber-insulated hand grip. All models incorporate automatic temperature compensation (ATC) and are suitable for applications where the temperature of samples vary.



specification	813-680	813-682	813-684	813-686	813-690	813-692
range Brix	0 to 10%	0 to 20%	0 to 32%	28 to 62%	n/a	n/a
range Salinity	n/a	n/a	n/a	n/a	0 to 28%	0 to 100%
resolution	0.1%	0.1%	0.2%	0.2%	0.2%	1%
accuracy	±0.1%	±0.1%	±0.2%	±0.2%	±0.2%	±1%
dimensions	Ø40 x 200mm	Ø40 x 195mm	Ø40 x 175mm	Ø40 x 160mm	Ø40 x 170mm	Ø40 x 195mm
weight	250 grams	245 grams	215 grams	205 grams	215 grams	250 grams

order code	description
813-680	refractometer Brix 0 to 10%
813-682	refractometer Brix 0 to 20%
813-684	refractometer Brix 0 to 32%

order code	description
813-686	refractometer Brix 28 to 62%
813-690	refractometer Salinity 0 to 28%
813-692	refractometer Salinity 0 to 100%

## 1301 Lux/FC light meter with remote light sensor/probe

- ✓ easy to use pocket-sized light meter
- ✓ incorporates maximum reading & hold functions

The 1301 is an economical light meter ideal for both the professional and hobbyist. The unit allows the user to monitor light intensity and levels in a variety of applications. The best way to use a tester is to measure the light levels when installing new lamps or lighting and then measure the light intensity thereafter on a regular basis until the lamps require replacing. The light meter measures both Lux or foot-candles (FC) over the range of 0 to 50,000 Lux/foot-candles.

The correct level of light is imperative in a wide range of working environments for safe working and to avoid unnecessary eye strain. The correct level of light is a necessity for plant growth. Sufficient light is needed for photosynthesis to take place so that plants can flower and bear fruit. Commercially, it is important to regularly check artificial lighting levels to ensure healthy plant growth. The lack of adequate light is the most common cause for poor plant growth. As artificial lighting will degrade in intensity with time, it is essential to measure at regular intervals.



specification	1301 light meter
range	0 to 50,000 Lux/FC
resolution	0.1/1/10/100 Lux/FC
accuracy	±5% or ±10% > 10,000 Lux/FC
battery	12 volt MN21
battery life	100 hours
display	12.7mm LCD
dimensions	25 x 64 x 188mm
weight	160 grams

order code	description
825-500	1301 Lux & FC light meter