

Elcometer 410 Anemometer



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At a glance:

Small, robust, lightweight instrument with easy to read display

View current, maximum or average wind speed

Wide choice of measurement units

The Elcometer 410 Anemometer is a portable, pocket size instrument for taking accurate readings of wind speed.

The lightweight impeller with high precision jewel bearings provides very accurate airflow measurements even at low speeds. The impeller can easily be replaced without the need to return the unit to Elcometer.

The wind speed can be displayed in various measurement units; indicating current speed, maximum speed or average speed.

- **Rugged and durable:**
Made from high impact injection moulded plastic and corrosion resistant materials.
- **Waterproof:**
Waterproof equivalent to IP67 with fully sealed electronics. Will also float in water if dropped.
- **Clear LCD Display:**
Easy to read, large 9mm digits.
- **Choice of measurement units:**
 - Beaufort Force
 - Knots
 - Kilometres per hour
 - Metres per second
 - Miles per hour
 - Feet per minute

Wind Speed

There are many industries and applications where measurement of wind speed is important including:

Construction: site safety, working conditions, working at height in cranes or access vehicles.

Heating & Ventilation: air flow through fans, checking the conditions of filters.

Agriculture: checking conditions prior to crop spraying or burning.

Education: air flow experiments, environmental studies, outdoor sports.

TECHNICAL SPECIFICATION	
Functions	Current wind speed (3 second average) Average speed since power on (AVG) Maximum 3 second gust since power on (MAX) Data Hold
Measurement Units	Knots (kt), metres per second (m/s), kilometres per hour (km/h), miles per hour (mph), feet per minute (ft/min) and Beaufort Force (B)
Operating Range	0.4m/s to 60m/s (0.8 to 135.0mph)
Specification Range	0.4m/s to 40m/s (0.8 to 89.0mph)
On-axis Accuracy^a	±3% of reading or least significant digit, whichever is the greater
Off-axis Response	-1% at 5°, -2% at 10°, -3% at 15°
Calibration Drift	<1% after 100 hours operation at 7m/s
Resolution	0.1 kt, m/s, km/h, mph. 1 ft/min below 1999 ft/min, 10 ft/min above 2000 ft/min. 1 Beaufort (0 to 12)
Operating Temperature	-10°C to +55°C (14°F to 131°F)
Storage Temperature	-30°C to +60°C (-22°F to 140°F)
Power Supply	1 x CR2032 Lithium Coin Cell
Battery Life	Approximately 300 hours
Auto Switch Off	45 minutes after last key press
Dimensions	Instrument Only: 122 x 42 x 20mm (4.8 x 1.6 x 0.8") Instrument and Protective Cover: 122 x 46 x 26mm (4.8 x 1.8 x 1")
Weight	Instrument Only: 65g (2.3oz) Instrument and Protective Cover: 102g (3.6oz)
Packing List	Elcometer 410 Anemometer, protective cover, lanyard, 1 x CR2032 battery and operating instructions.
Part Number	G410-1 Elcometer 410 Anemometer

^a Some loss of accuracy from bearing wear may occur with sustained operation at or near maximum speed.

SPARES AND ACCESSORIES	
Description	Part Number
Portable Mini Tripod (including Tripod Clamp)	T41021404
Tripod Clamp (Securely holds the Elcometer 410 and will fit any standard tripod)	T41021405
Replacement Impeller	T41021406

Related Products



Elcometer 319

Elcometer 319 Dewpoint Meter

Available in two models, Standard and Top, the Elcometer 319 has been specifically designed to measure and record all relevant climatic parameters required to determine whether conditions are suitable for painting. Its rugged and ergonomic design is dustproof and waterproof equivalent to IP66 and incorporates fully sealed, durable sensors.

The Elcometer 319 Top has a large inbuilt memory to accurately record each measurement, storing up to 25,000 sets of readings in 999 batches. It also offers USB data output and *Bluetooth*[®] wireless technology for cable free data transfer.



Elcometer 213/2

Elcometer 213/2 Digital Waterproof Thermometer

The Elcometer 213/2 Digital waterproof thermometer has been specifically designed for superior durability and ease of use.

With an extruded aluminium case that is waterproof to IP66 & IP67 and a range of interchangeable probes, the Elcometer 213/2 offers a versatile instrument for measuring surface and liquid temperatures.



Elcometer 212

Elcometer 212 Digital Pocket Thermometer

Available with a surface or needle/liquid probe, the Elcometer 212 has been designed to cope with routine day-to-day use, and takes fast, accurate measurements.

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