

# Elcometer 410 Anemometer



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 anemometer's 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: the Elcometer Anemometer is made from high impact injection moulded plastic and corrosion resistant materials.
- Waterproof: Waterproof equivalent to IP67 with fully sealed electronics. Will also floating 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

## Technical Specification

Part Number	Description
G410-1	Elcometer 410 Anemometer
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
Specification Range	0.4m/s to 40m/s
On-axis Accuracy*	±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 0.1 kt, m/s, km/h, mph. 1 ft/min below 1999 ft/min, 10 ft/min above 2000 ft/min.
Resolution	1 Beaufort (0 to 12)
Operating Temperature	-10°C to +55°C
Storage Temperature	-30°C to +60°C
Battery Life	1 x CR2032 Lithium Coin Cell
Auto Switch Off	Approximately 300 hours
Dimensions	45 minutes after last key press Instrument Only: 122 x 42 x 20mm
Weight	Instrument and Protective Cover: 122 x 46 x 26mm Instrument Only: 65g Instrument and Protective Cover: 102g

\* Some loss of accuracy from bearing wear may occur with sustained operation at or near maximum speed

## Packing List

Elcometer 410 Anemometer
Protective Cover
Lanyard
1 x CR2032 battery
Operating Instructions



## Accessories

Part Number	Description
T41021406	Replacement Impeller