

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 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

Technical Specifications

| 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 |



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|-----------------|--|
| 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 Instrument and Protective Cover: 122 x 46 x 26mm |
| Weight | Instrument Only: 65g Instrument and Protective Cover: 102g |

Packing List

- Elcometer 410 Anemometer
- Protective cover
- Lanyard
- 1 x CR2032 battery
- Operating instructions