



Technical data

Designation CMAS 100-SL

Vibration pick-up Internal: Integrated piezoelectric acceleration
External: Accepts a standard 100 mV/g constant current accelerometer

Measurements

Velocity	Range: 0,7 to 65,0 mm/s (RMS) 0.04 to 3.60 in./s (equivalent Peak) meets ISO 10816 Frequency: 10 to 1 000 Hz, meets ISO 2954
Enveloped Acceleration	Range: 0,2 to 50 gE Frequency: Band 3 (500 to 10 000 Hz)
Temperature	Range: -20 to +200 °C (-4 to +392 °F) Infrared temperature accuracy: ±2 °C (±3.6 °F) Distance: Short range, max. 10 cm (4 in.) from target
Operating temperature range	In use: -10 to +60 °C (14 to 140 °F) While charging: 0 to 40 °C (32 to 104 °F)
Storage temperature	Less than one month: -20 to +45 °C (-4 to +113 °F) More than one month but less than six months: -20 to +35 °C (-4 to +95 °F)

Humidity	95% relative humidity, non-condensing
Ingress Protection	IP 54
Approvals	CE (Certified Engineering)
Drop test	2 m (6.6 ft.)
Weight	125 g (4.4 oz.)
Dimensions	200 × 47 × 25 mm (7.9 × 1.85 × 1 in.)
Battery capacity	550 mAh
Battery life	10 hours before charging (approx. 1 000 measurements) With external sensor: Up to 55% less battery life
External sensor power	24 V DC at 3,5 mA
Charger specifications	Universal AC/DC wall plug-in Input: 90 to 264 VAC, 47 to 60 Hz Output: 5V DC regulated 3 to 4 hours for a full charge