

## Metrological specifications

rpm function	Range: 60 to 100,000 rpm Resolution: 0.006 to 6 according calibre Accuracy: $1 \times 10^{-4}$ of reading $\pm 6$ counts
m/min function	Range: 6 to 10,000 m/min Resolution: 0.006 to 6 depending on calibre Accuracy: $1 \times 10^{-4}$ of reading $\pm 1$ increment
Hz function	Range: 1 to 10,000 Hz Resolution: 0.004 to 0.4 depending on calibre Accuracy: $4 \times 10^{-5}$ of reading $\pm 4$ counts
ms function	Range: 0.1 to 1,000 ms Resolution: 0.0003 to 0.03 depending on calibre Accuracy: $1 \times 10^{-4}$ of reading $\pm 5$ counts
Duty cycle function	Range: 0.1 to 100 % Resolution: 0.1 to 1 % depending on calibre Accuracy: 0.1 % of scale from 0.2 Hz to 50 Hz • 0.2 % of scale from 50 Hz to 125 Hz • 1 % of scale otherwise
Count function (C.A 1727)	Range: 0 to 100,000 events Accuracy: $\pm 1$ event

## General specifications

Power supply	9 V
Battery life	250 x 5 min measurements with optical sensor 600 x 5 min measurements with external sensor
Memory (C.A 1727)	4,000 points
Dimensions	21 x 72 x 47 mm
Weight	250 g
Leakproofing	IP 51
Environment	Storage: -20 °C to +70 °C 95 % RH Operation: 0 to 55°C 90 % RH

## Sensor specifications

Optical	Reflective area: 10 to 90 % of the target area. Measurement distance: 1 to 50 cm. The maximum distance is given for a reflective adhesive strip with a minimum area of 10 cm <sup>2</sup> . Measurement angle: $\pm 15^\circ$ in relation to the perpendicular of the reflective surface.
Mechanical	Mechanical adapter: End-fittings: elastomer with a hardness of 80 shores Pressure on moving part: between 2 and 40 N. Maximum speed: 10,000 rpm. Service life: approx. 1,000 hours at 3000 rpm with a pressure of 20 N.
	Conical end-fitting accessory: Minimum diameter of measurement shaft: 5 mm.
	Cylindrical end-fitting accessory: Speed measurements on shafts with a diameter greater than 5 mm or flat-ended shafts