



Contact measurement of revolutions, surface speed and length



Non-contact measurement of revolutions, using a laser beam and reflective tape

# PH Series

Electronic Hand-held Tachometers

## Standard features:

- Easy to read LCD display
- Built-in memory for Max, Min, Average, Last and 10 separate readings for recall in display
- Compact, rugged plastic housing
- 10 User selectable measuring units

High value at low cost



Model PH-100A

**Contact Type:**  
Measures revolutions, surface speed and length

Model PH-200LC

**Combined Instrument:**  
1. **Non-Contact mode** uses laser beam and reflective tape for measuring rpm  
2. **Contact type mode** uses screwed-in adapter for measuring rpm, surface speed and length

Model PH-200L

**Non-Contact Type:**  
Measures revolutions with laser beam

## Specifications

### Model PH-100A

### Model PH-200LC

### Model PH-200L

Measuring ranges: (floating decimal point)	<b>Revolutions (non contact):</b>	■ 6-99999 min <sup>-1</sup>	■ 6-99999 min <sup>-1</sup>
	<b>Revolutions (contact):</b> 1.0-25000	■ 6-25000 min <sup>-1</sup>	---
	<b>Speed:</b> e.g. 0.1-3810 m/min	■ e.g. 1.0-3810 m/min	---
	<b>Length:</b> e.g. 0.01-99999 m	■ e.g. 0.2-99999 m	---
Accuracy:	1-599 min <sup>-1</sup> (± 1 min <sup>-1</sup> ) ± 1 digit	■ 6-599 (± 1 min <sup>-1</sup> ) ± 1 digit	■ 6-599 (± 1 min <sup>-1</sup> ) ± 1 digit
	600-25000 min <sup>-1</sup> (± 0.01 % of reading) ± 1 digit	■ 600-25000 (± 2 min <sup>-1</sup> ) ± 1 digit	■ 600-99999 min <sup>-1</sup> (± 0.01 % of reading) ± 1 digit
		■ 25001-99999 (± 0.01 % of reading) ± 1 digit	
	<b>Speed and Length:</b> ± 0.4 % of reading ± 1 digit	---	---
Measuring units:	<b>Revolutions:</b> min <sup>-1</sup> (rpm); <b>total rotations</b> (counter): rev		■ min <sup>-1</sup> (rpm)
	<b>Speed:</b> m/min; feet/min; yards/min; inch/min		---
	<b>Length:</b> m; inch; feet (only Model PH-100A); yard		---
Memory system:	14 readings (incl. Last + Middle + MAX + MIN) are stored and retained for 5 min		
Laser, class 2:		■ Output < 1 mW, wavelength 670 nm, max. measuring distance 2 m	
Batteries:	3x 1.5 V Type AA approx. 50 h ...	■ approx. 35 h continuous use	■ approx. 35 h continuous use
Display:	5 digit LCD 12 mm high		
Auto power off:	after 5 min of non-use		
Temperature range:	5 - 45 °C		
Air humidity:	85 % RH, max.		
Housing material:	Plastic (ABS)		
Dimensions:	123 x 64 x 32 mm (LxWxH)	■ 150 x 64 x 32 mm (LxWxH)	■ 116 x 64 x 32 mm (LxWxH)
Weight, net (gross):	approx. 180 g (400 g)	■ approx. 230 g (450 g)	■ approx. 170 g (390 g)

## Accessories



**Delivery includes:** Tachometer in carrying case with 3 Batteries, Certificate of compliance with order, Instruction manual in German and English:

	1 Rubber Tip (A), 1 Funnel (B), 1 Rubber measuring wheel (F) with 6 inch circumference	■ 1 Adapter (LC), 35 reflective tapes, 1 Rubber Tip (A), 1 Funnel (B), 1 Rubber measuring wheel (F)	■ 35 self-adhesive reflective tapes
<b>Special accessories:</b>	Grooved measuring wheel (G) with 6 inch circumference for measuring yarn and wire speeds, Calibration certificate	■ Grooved measuring wheel (G) with 6 inch circumference for measuring yarn and wire speeds, Calibration certificate	■ Set with 140 self-adhesive reflective tapes, Calibration certificate