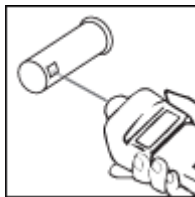


# ELECTRONIC TACHOMETER

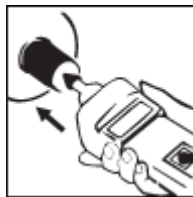
**\*\* code 1810E\_F \*\***

Hand-held tachometer for contact measurement and non-contact measurement of revolution of engines or shafts as well as surface speed and length e.g. belts and conveyer belts. High-quality hand-held instrument with easy to read LED display for professional use. Tachometer with 9 selectable measuring units.

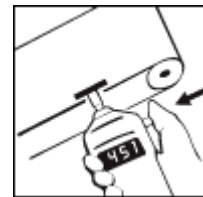
**2IN1** Universal model for contact and non-contact measurement. Hand-held tachometer for contact and non-contact measurement of revolutions and contact measurement of revolutions, line speed and length with an adapter



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



**Contact measurement of revolutions, surface speed and length** For exact measurements of revolutions per minute, total revolutions, length and velocity with different metric and english units



- For exact measurement of **revolutions per minute, total revolutions, length and velocity with different metric and English units.**
- 9 User selectable measuring units ( $\text{min}^{-1}$ ;  $\text{m}/\text{min}$ ;  $\text{ft}/\text{min}$ ;  $\text{yd}/\text{min}$ ;  $\text{in}/\text{min}$ ;  $\text{m}$ ;  $\text{in}$ ;  $\text{ft}$ ;  $\text{yd}$ ).



**Unit select switch:**  
Built in selector switch permits the user to display readings in a wide variety of measuring units.

- Tachometer with large, red, easy to read LED display, recommended at adverse lighting conditions

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- Hand-held tachometer with automatic and manual memory (MAX, MIN, last and 10 separate readings) for recall in display
- Rugged aluminium housing with fixing for tripod (1/4-20 UNC thread)
- Optionally available: Inspection Certificate 3.1 according EN 10204 with calibration report
- Good visible, harmless laser beam
- Measuring distance up to 2 m
- Easy to use
- Certificate of Compliance with the order 2.1 according EN 10204 is included

## Photo gallery



## Available models

Mesdan code	Reference	Application
<b>1810E</b>	DT-205L	contact measuring and non-contact, LED display
<b>1810F</b>	DT-207L	contact measuring and non-contact, LCD display

## Standard accessories



### Rubber Tip

For contact measurement of revolutions ( $\text{min}^{-1}$ )

### Funnel

For contact measurement of revolutions ( $\text{min}^{-1}$ )

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## Rubber Measuring Wheel

6 inch circumference for measuring line speeds



## Extension

75 mm long,



## Adapter

with serrated lock washer (old version)  
For contact measurement



## Adapter

without serrated lock washer (current version)  
for contact measurement



## Reflective Tapes

1 page (35 pieces), self-adhesive

## Optional accessories



## Grooved Wheel

Measuring Wheel (6 inch circumference) with special groove for measuring yarn and wire speeds.



## Rubber Measuring Wheel

With 12 inch circumference for measuring line speeds.

**Only for instruments which are delivered with  
12 inch wheel. Otherwise the device shows a wrong value.**



## Reflective Tape Set

Set with 140 self-adhesive reflective tapes, (1 Set = 4 x 35 pieces)

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# ELECTRONIC TACHOMETER

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## Calibration Certificate

Calibration certificate with calibration report is optional available.

Calibration report, available as option, code 181.CC1

## Delivery includes



Tachometer with 2 batteries, carrying case, 1 adapter H, 2 rubber tips, 1 funnel, 1 measuring wheel with 6 inch circumference, 1 extension, 1 page reflective tapes (35 pieces), Certificate of Compliance with the order 2.1 according EN 10204 free of charge and operating instructions in german and english

## Technical Specifications

<b>Measuring range: (floating decimal point)</b>	<b>Revolution (contact):</b> 6 - 25000 min <sup>-1</sup> ; <b>Revolution (non-contact):</b> 6 - 99999 min <sup>-1</sup> <b>Speed:</b> e.g. 0.02 - 3810 m/min; 0.9 - 99999 m/h; 0.6 - 99999 in/min; 0.05 - 12500 ft/min; 3 - 99999 ft/h; 0.02 - 4167 yd/min; 1.0 - 9999 yd/h; 0.0006 - 142.5 mil/h <b>Length:</b> 0.5 - 99999 cm; 0.005 - 99999 m; 0.1 - 9999.9 in; 0.01 - 99999 ft, 0.005 - 9999.9 yd
<b>Accuracy:</b>	6 - 8300 min <sup>-1</sup> ( $\pm 0.1$ min <sup>-1</sup> ) $\pm 1$ digit 8301 - 25000, 8301 - 25000 min <sup>-1</sup> ( $\pm 2$ min <sup>-1</sup> ) $\pm 1$ digit 25000 - 99999 min <sup>-1</sup> ( $\pm 0.01\%$ of reading) $\pm 1$ digit <b>Speed and length:</b> $\pm 0.4$ % of reading $\pm 1$ digit
<b>Measuring units:</b>	<b>Revolution:</b> min <sup>-1</sup> (rpm); rph; <b>Total rotations (counter):</b> rev <b>Speed:</b> m/min; m/h; ft/min; ft/h; yd/min; yd/h; in/min; in/h; mil/h <b>Length:</b> cm; m; in; ft; yd
<b>Memory system:</b>	13 readings (incl. MIN + MAX + LAST) for 5 min after last use
<b>Laser, class 2:</b>	Output < 1 mW, wavelength 670 nm, max. measuring distance 2 m
<b>Resolution:</b>	Length: 0.01905 m/Impuls (with adapter), revolution: 8 Impulse/revolution (with adapter)
<b>Display:</b>	5 digit, LED 10 mm
<b>Display update:</b>	1 s
<b>Over range indicator:</b>	Display is flashing
<b>Auto power off:</b>	After 10 s of non-use
<b>Battery:</b>	2 x 1.5 V Typ AA, approx. 25 h continuous

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# ELECTRONIC TACHOMETER

**\*\* code 1810E\_F \*\***

<b>Low battery indicator:</b>	"B" flashes at the display
<b>Temperature range:</b>	5 - 45 °C
<b>Air humidity:</b>	85 % RH, max.
<b>Housing material:</b>	Die-cast aluminium
<b>Tripod fixing:</b>	1/4-20 UNC thread
<b>Dimensions (LxWxH):</b>	203 x 63 x 46 mm
<b>Weight, net (gross):</b>	Approx. 350 g (approx. 800 g)
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