



# Hegewald & Peschke

Meß- und Prüftechnik GmbH

Data sheet

## 1D- Length measuring device

Robust design for heavy workpieces and harsh environments,  
fixed-to-floor



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## General Product description

Our very robust 1D measuring device is a digital length measuring device made of steel and is used for length measurement on rod-shaped workpieces, tubes, profiles, rods, blanks, etc. in production environments. For measuring tasks where accurate measurements are a challenge, we offer a cost-effective alternative with this product. With the 1D-measuring device we guarantee a safe and fast measurement with easy operation in a rough production environment.

## Features

- safe and fast measurement with simple operation in harsh production environments
- quick exchange of the exchangeable measuring jaws for changing requirements
- very robust basic construction - allows a long service life with good operating characteristics
- magnetic incremental measuring system - works insensitive to dust, dirt, moisture, oil
- Sheet metal cladding - protects the guide, digital display and measuring system
- Installation by screwing and adjustment to the floor (stable floor required)

## Technical data:

<b>Effective measuring length:</b>	4000 mm (other on request)
<b>Measuring accuracy:</b>	$\pm (0,05 \text{ mm} + 0,02 \text{ mm} \times L)$ , L=measuring length in m
<b>Workpiece support:</b>	Steel, bright and flat, approx. 250 mm wide (standard) optional: sliding workpiece supports with guide rail
<b>Dimensions/Weight:</b>	WxDxH: 4500 x 500 x 1300mm / approx. 900 kg
<b>Power supply:</b>	100-230VAC; 50/60Hz; 35VA
<b>Measuring tools:</b>	Measuring jaws 33-013-01x for changing system (not included in the scope of delivery)
<b>Standard accessories/ Scope of supply:</b>	Measuring device, with lateral stop bar over the entire length and stop-changing system, but without measuring jaws

## Display devices

### LG20-1 display unit:

- Simple display without interfaces
- Magnescale® display unit with reset/preset function. One measuring channel can be connected.
- Display of one axis
- Bracket for table mounting, rotatable and tiltable



LG20-1  
with table bracket  
and protective cover

### Display unit M3:

- Display with RS232 and USB interface
- Digital display unit M3 (4.3-inch colour touchscreen, can be operated with gloves) incl. RS232 and USB interface
- Bracket for table mounting, rotatable and tiltable
- Includes connection adapter cable for Magnescale® measuring system
- Includes USB cable and power supply for display unit
- When the M3 display unit is connected to a computer's USB port, the operating system (Windows, Mac OS, etc.) recognises and installs it as a standard USB keyboard. When measured values are transferred (key press), the values appear on the PC at the position of the cursor. No additional drivers/software are required.



Display unit M3  
with table base