



Hegewald & Peschke

Meß- und Prüftechnik GmbH

Data sheet

1D- Length measuring device

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



Hegewald & Peschke, Meß- und Prüftechnik GmbH
Am Gründchen 1, 01683 Nossen
Telephone: +49 35242 445-0, Telefax: +49 35242 445-111
E-Mail: info@Hegewald-Peschke.de
<http://www.Hegewald-Peschke.com>



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:

Effective measuring length:	4000 mm (other on request)
Measuring accuracy:	$\pm (0,05 \text{ mm} + 0,02 \text{ mm} \times L)$, L=measuring length in m
Workpiece support:	Steel, bright and flat, approx. 250 mm wide (standard) optional: sliding workpiece supports with guide rail
Dimensions/Weight:	approx. 4500 x 1400 x 600mm / approx. 900 kg
Power supply:	100-230VAC; 50/60Hz; 35VA
Measuring tools:	Measuring jaws 33-013-01x for changing system (not included in the scope of delivery)

Standard accessories/ Scope of supply: Measuring device cpl. as shown; with lateral stop bar over the entire length and stop-changing system, but without measuring jaws

Display devices and software

Display unit LG20-1: robust Magnescale® Display unit with reset/pre-set function. One measuring channel can be connected. Mains adapter PSC23 required.

Display unit LY72: robust Magnescale® multifunctional display unit with large display, measured value plus error message, RS232 interface (HP KeySim required); up to three measuring channels can be connected.

Display unit M3: digital Display unit M3 (4.3-inch color touchscreen, can be operated with gloves) incl. RS232 (HP KeySim required) and USB interface, no installation/no further software required for USB connection (standard keyboard driver for Windows®)

MC150 (low-cost alternative to LY72): Industrial counter with RS232 interface. Reset/pre-set function. One measuring channel can be connected. Connection: 230V/ max. 30VA. with separate "RESET" and "DATA" key. Without alarm display in case of measuring system error!

HP KeySim: Useful utility program for direct transmission of the measured values via RS232 interface to any application running under MS-Windows® (e.g. MS-Excel®). An interface cable is included in the scope of delivery.



LG20-1
with table bracket
and protective cover



Display unit M3
with table base



Display unit LY72



MC150
with table bracket and
protective cover