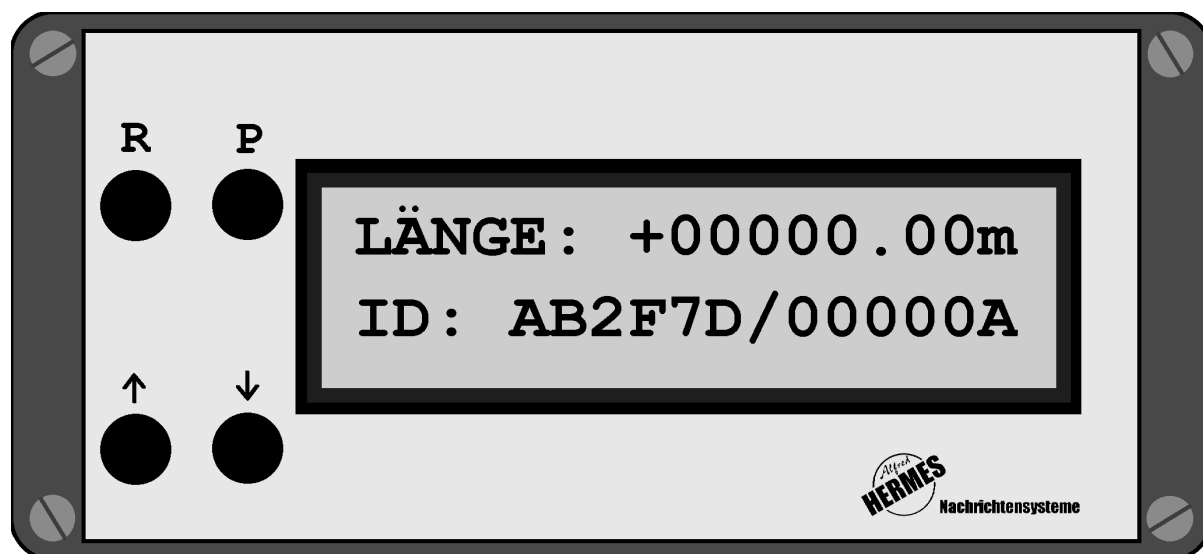


Electronic counter LCB for length measurement, Prechecked by PTB (Physikalisch Technische Bundesanstalt)



Short description:

Electronic counter HERMES - LCB consists of

1. Electronic counting device, Typ: LCB 2000 with an internal mass memory
2. An incremental-rotary encoder type Hohner,
AWI 58S-122A011-50 with push-pull output (type 1)
... see detailed description 16.02.2010, Annex A2
or AWI 58S-125A019-50 with RS422-output (type 2)
... see detailed description 16.02.2010, Annex A2

The electronic counting device LCB2000 records the lengths-related impulses given from the incremental-rotary encoder and shows the measured length in centimetre resolution to +99999.99 m or -99999.99m. According to the maximum speed of 4000 rpm of the used encoder the maximum counter frequency amounts to 3333 Hz.

After reset of the counting device all measurements are archived into an internal mass memory, identified by a unique identification number. The memory has a large capacity for 1,000,000 measurement values. Each value can be printed out with its unit of length ("m") and the related ID number. Additionally they can be transferred via serial interface to any other system (i.e. PC).

The counter system matches to the requirements of the Measuring Instruments Directive 2004/22 / EC on measuring instruments (MID) by its design.

The system is pretested by the „ physikalisch technischen Bundesanstalt Braunschweig“

Specific qualities of the medium being measured (e.g., elasticity) and different machine parameters can influence the result of the measurement. Because of this in any case it is necessary to ensure the correct length measuring on the system where it is installed.

The industrial use does not apply to calibratable length measuring machines which are intended to work constantly independently without supervision at the place of the measurement.

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