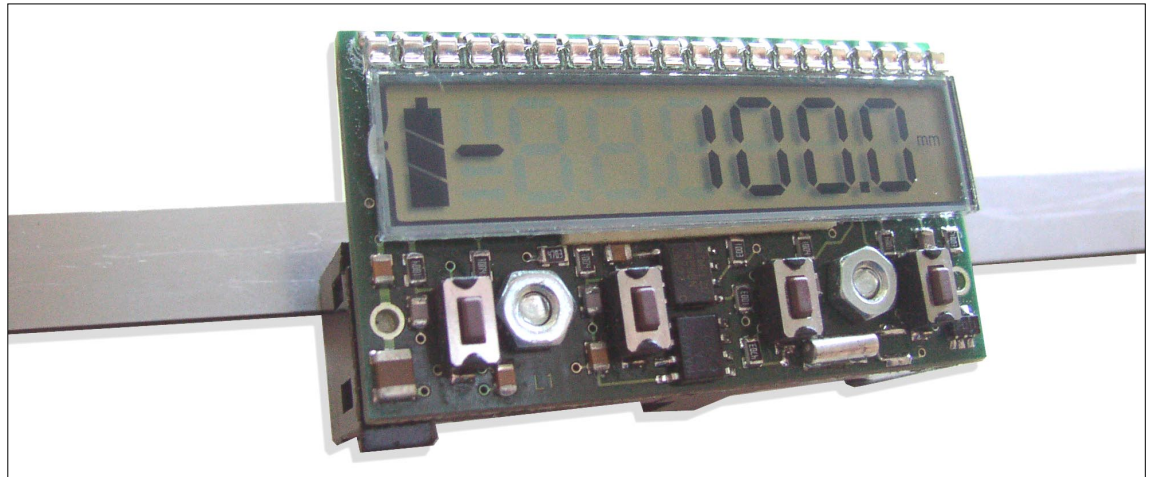


**New**

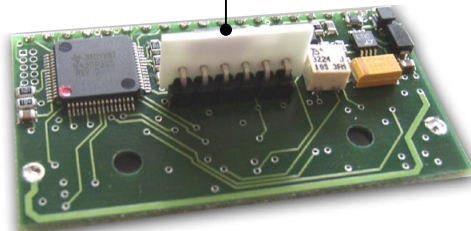
**ELGO**  
**ELECTRIC**

# Z10 series

**Battery powered Mini Length Measuring System**



Integrated sensor PCB (rear)



External battery box with battery (size C)



- space saving and complete system in a low price range
- no connections resp. wirings necessary
- open PCB building method for adaptation to most diverse machine types
- custom specified front design and keypad possible
- direct assembly with the magnetic tape (sensor is integrated)
- mm resolution and a repeat accuracy of +/- 0.1 mm
- extensive programmable functions and parameters
- adjustable pulse scaling factor and decimal place
- Inch or Millimeters selectable as measuring unit
- external battery case with 1.5 V Battery (Size C)
- battery state and measuring unit visibly in the display
- with a high-quality battery up to 12 months in continuous operation

## Technical specifications

### Measuring and Display unit Z10 - 000- 001- N

LCD- Display	: 6 counting decades (height: 8 mm) + sign, battery condition, unit and way of measurement
Battery	: commercial 1.5 V battery (size C)
Battery case	: external, length of supply wires = 10 cm
Battery service life	: app. 12 months (with a high quality battery)
Consumption incl. encoder	: < 1 mA at 1.5 V
Operating temperature	: + 5° C up to + 50° C
Operation speed	: max. 2.5 m/s
Housing	: no housing, open PCB
Dimensions of PCB	: W x H x D = 53 x 30 x 16 mm's
External battery case Size C	: L x W x H = 60 x 32 x 27 mm's
Protection class	: IP 00 (open PCB)

### Magnet sensor MS 20.25 (integrated)

Resolution	: 0.1 mm
Accuracy in mm's at 20° C	: +/- (0.025 + 0.02 x L) L = effective measuring length in Meters
Protection class	: IP 00 (open PCB)
Operating temperature	: + 5° C up to + 50° C
Max. allowed gap to the tape	: 0.8 mm to the upper cover band 1.0 mm, <u>if no cover band is used</u> (not recommended)

### Magnetic tape MB 20.25 (accessories)

Operating temperature	: 0° C up to + 50° C
Linear extension coefficient	: $\alpha = 16 \times 10^{-6} \times 1/K$

## Type designation

### Measuring and Display unit Z10:

**Z10 - 000 - 001 - N**

#### Position indicator, battery powered

Z10 = Battery powered measuring unit, display with 6 decades

#### SN-Number

000 = standard  
001 = first special version  
002 = etc.

#### Power supply

001 = 1.5 V battery operation

#### Miscellaneous / Options

N = without housing \* (standard)

\*) Special software, deviant battery sizes or possible special housings / front designs will be coded in a respective SN- Number.

**Magnetic tape:** Please indicate **MB20-25-10-1-R** + the desired length in **XX,X Meters!**

