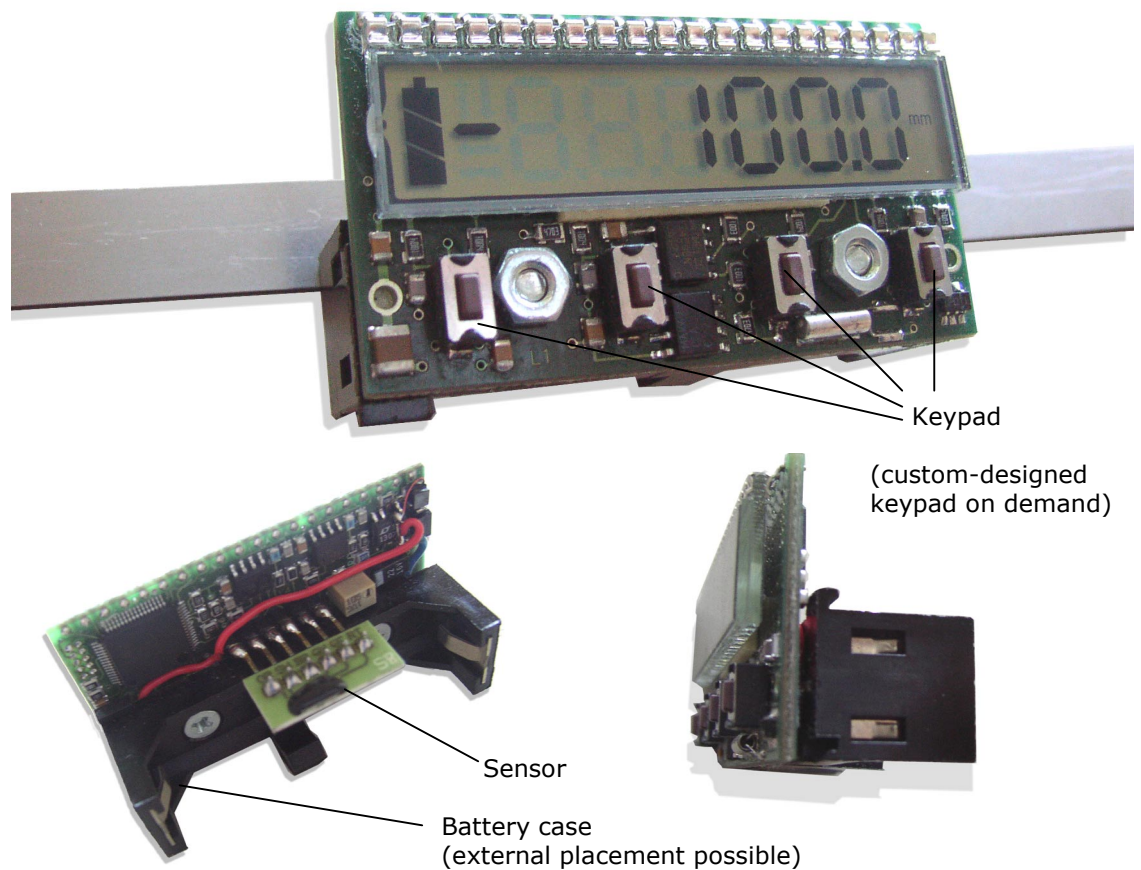


New preliminary datasheet

Z10 series (Prototype)

Battery powered Mini Length Measuring System



- *for movable slides and stop-systems*
- *sensor and display in one unit*
- *no wiring necessary*
- *system resolution 0.1 mm*
- *permanent data preservation*
- *scaling factor*
- *reversible counting direction*
- *reference value and tool-offset*
- *Inch/mm switch over*
- *battery state in LCD-Display*

Technical specifications

Display Z10

- LCD-Display : 6 digits for counting (height 8 mm's)
+ sign, battery state and measuring unit
- Battery : commercial Alkali Micro cell, 1,5 V
or Alkali Mignon cell, 1,5 V
or Alkali Baby cell, 1,5 V



- Reserve energy : up to 12 months (depends on selected batter)
- Consumption : < 1 mA at 1,5 V
- Operation temperature : 0 ° C ... + 50 ° C
- Operating speed : max. 2.5 m/sec
- Housing : on demand
- Housing dimensions : approx w = 55 mm's x h = 30 mm's
- Depth : depends on selected battery
- Protection class : up to IP65 possible

Integrated magnetic sensor

- Resolution : 0.1 mm
- Allowed distance sensor/tape : max. 1.0 mm (without cover band)

Magnetic tape MB 20.25

- Operation temperature : 0° ... + 50°C
- Accuracy at 20° C in mm's : +/- (0,025 + 0,02 x L) L = effective measuring length in m
- Linear extension coefficient : $\alpha = 16 \times 10^{-6} \times 1/K$