

GLÖTZL Baumeßtechnik

READOUT UNIT

Type: KMG 06-1

Art. No.: 74.30

The portable, digital readout unit is equipped with a 4 ½-digit digital display and rechargeable, maintenance-free, robust batteries with sintered electrode and charger.

The measuring instrument is calibrated for the DMS cells with a sensitivity of 2.5 mV/V. The supply voltage for the cell is 4 V. The cell is connected in six-conductor circuit. By means of the sense tubings, the voltage losses by tubing lengths up to approx. 1000 m are regulated. The voltage change at the cell is 0.1% for tubing lengths of 0-1000 m.



Setting to work:

By pressing a function key, the instrument is switched on. In case of operation without cells, the instrument is automatically switched off after approx. 1 minute.

Keys:

- Off Instrument is switched off.
- Test Herewith battery voltage is indicated.
Display ≥ 8.00 Batteries have 100 % capacity
Display ≤ 7.00 Batteries are exhausted.
- 500: Measuring range 500.0 kN
- 1000: Measuring range 1000 kN
- 2000: Measuring range 2000 kN
- 3000: Measuring range 3000 kN

Technical data:

The max. cell voltage of 10 mV ($2.5 \text{ mV/V} \cdot 4 \text{ V} = 10 \text{ mV}$) is internally amplified to 1 V and indicated according to the measuring range selection.

Measuring range (kN)	Max. cell value	Max. display (digit)	Pin allocation
500	10.00 mV	500.0	1 + Supply voltage (+2 V)
1000	10.00 mV	1000	2 + Sense
2000	10.00 mV	2000	3 + Measured value
3000	10.00 mV	3000	4 - Measured value
			5 - Sense
			6 - Supply voltage (-2 V)
			\perp - Casing (screen)

Connections:

- Socket for connection cable cell – readout unit
- Socket for loading of batteries with 230 V, 50 Hz and lighted display mains for load indication
- Socket for loading by means of car battery 12 V and lighted display Bat for load indication

Digital displays:

4 ½-digit digital display with + and – display of the measured value. Display range: ± 19999

