

Micro measurement station MDL

Type 41/20, 41/40



Art.-No. 54.01/02

The micro measuring station MDL 41/20 can supply and automatically measure up to 20 sensors (MDL 41/40 up to 40 sensors). All inputs are galvanically separated from each other. The micro measuring station is universally programmable for the use of most electric sensor types. As program for parameterizing, reading in and administration of measuring values, the program GLA8. The measuring results are stored fail-safe. The stored measured values can be downloaded at any time. This can be done by laptop or reading device resp. by a single wire from a central unit. Modems can also be connected and then enable an access from any point you like. A remote adjustment of the measuring program can be carried out by an authorized user from any point or location.

Benefits

- variable operation mode
- self-sufficient as datalogger
- as micro meas. station in meas. network
- data transfer by dedicated line modem, radio or GSM, LWL
- universally programmable
- easy assembling and handling
- completely exchangeable

Extensions/ options:

- Double-walled thermohousing
- Solar cell with solar regulator
- GSM-modem
- Mains charger and accu for mains buffering
- Networking of several systems

Technical data

Quantity of meas. points::	MDL 41/20: 20 pcs. (four-wire circuit) MDL 41/40: 40 pcs. (four-wire circuit)
Connectable sensors:	4-20 mA, Pt100, Pt1000, thermistors, vibrating wire sensors, potentiometric transducer and sensors in bridge transition, GMS7-bus
Optional:	Serial sensors (RS485-bus) e.g.: active transducers, plumb meas. devices, leakage water level
Accuracy:	0.05 % analog, 0.005 % vibrating wire
Memory:	10.000 meas. values with date and time (opt. 20.000) 1.000 state- and malfunction messages
Interfaces:	RS 485, galvanically separated, GMS7-bus compatible Wire-, radio-, GSM-modem, LWL-converter
Circuit outputs:	Alarm, power, communication: One potential-free contact each max. 42V, 1A 4 project-specific programmable outputs open-gate max. 28V, 0.5A
Supply:	Internal Li-battery or external lead/NiMH-accu event. w. charging unit
Support time:	Acc. to equipment 1 week several years
Protection type:	IP 55, opt. IP 67
Dimensions:	200x112x70 mm (without switch-on plate)

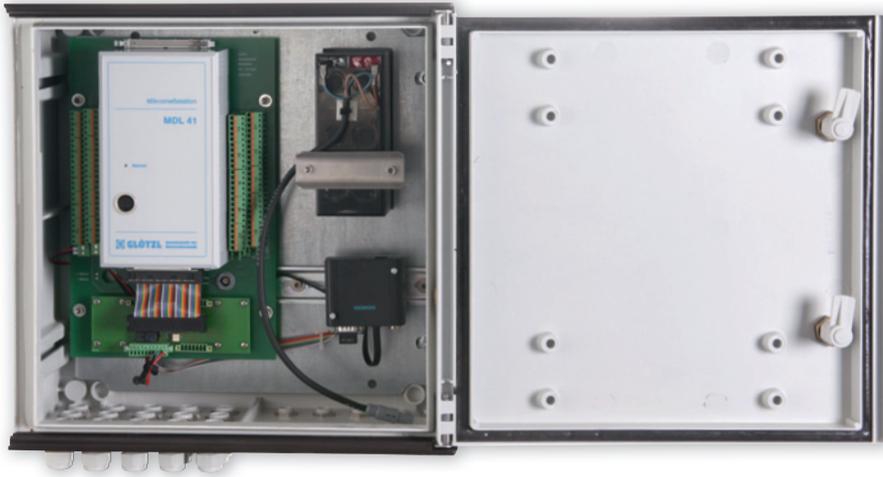


Fig.: Internal view MDL with GSM

Energy supply

In self-sufficient operation, the energy supply can be ensured over several years by means of a Li-battery. Normally, lead or NiMH-accus are used which are charged by network or solar cells.

Adjustable

- Different measuring times for sensors which can be subdivided in groups
- Type of supply for each sensor
- Quantity of measurements for each cycle
- Quantity of measurements for formation of mean value
- Detection of limit values and indication
- Message of state and malfunction