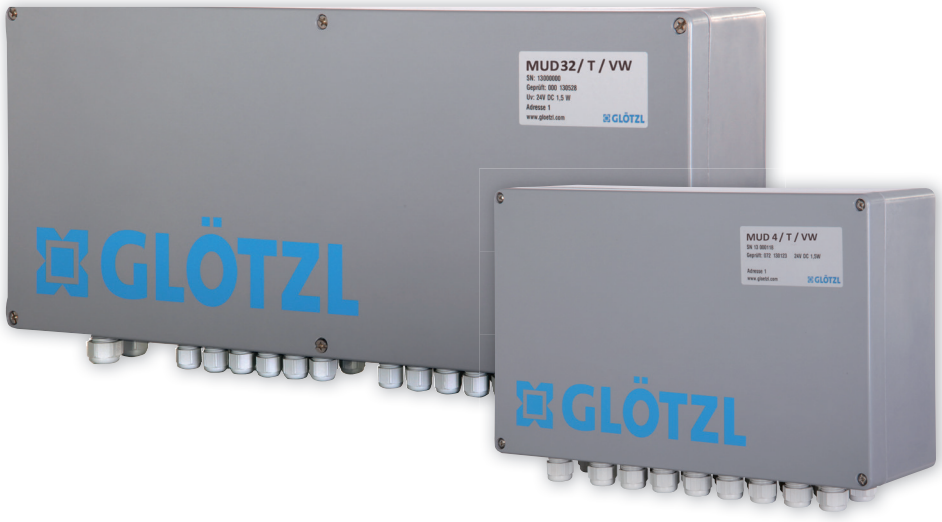
Dynamic Multiplexer switching

MUD 4/ 8/ 16/ 32

Art.-No. 56.02.30



Our dynamic multiplexer Type MUD was developed for the detection of high-frequency measurements. In contrast to the siblings of this product family the multiplexer Type MUD is not queried via a RS485 signal, but directly through a LAN network.

Due to the fact that the sensors have permanent power supply, the sensors do not require a settling time. Depending on the amount of measuring points in your project, the MUD is available in several sizes. They can be delivered in up to four expansion stages (4, 8, 16 or 32 channels).

Multiplexer Type MUD are expansions for sensors suitable for our data acquisition systems / measuring stations Type MCC XL. On site in a structure, each one will be connected individually via LAN-cable to the measuring station Type MCC XL.

The communication cable can have a length up to 1000m, if an optional supply unit is provided for each multiplexer. Each one needs to be connected to the main power supply. In direct connection to the measuring system, distances of 100m to a Dynamic Multiplexer switching (MUM) are possible.

Expansion Modules

- Additional external supply unit
- Mounting bracket for pipes
- LAN Switch
- Network cable

Technical data	MUD 4	MUD 8	MUD 16	MUD 32
No. of channels:	4	8	16	32
Dimensions W x H x D:	40 x 25 x 12,5 cm	40 x 25 x 12,5 cm	60 x 25 x 13 cm	60 x 25 x 13 cm
Weight:	1.2	2.6	5.8	7.9
Switching time per channel:	0.1 sec / MUD	0.1 sec / MUD	0.1 sec / MUD	0.1 sec / MUD
Operating voltage:	15-30 V_{DC}	15-30 V_{DC}	15-30 V_{DC}	15-30 V_{DC}
Power consumption:	130 mA	130 mA	130 mA	130 mA
Galvanic separation:	yes	yes	yes	yes
Protection class:	IP66	IP66	IP66	IP66
Temperature range	-15°C - +70°C	-15°C - +70°C	-15°C - +70°C	-15°C - +70°C
Protocol:	GL-bus	GL-bus	GL-bus	GL-bus
Transmission rate:	1.200 baud	1.200 baud	1.200 baud	1.200 baud
Resolution:	16 bit	16 bit	16 bit	16 bit
Power-up delay:	no	no	no	no
External supply unit:	optional	optional	optional	optional
Cable connection:	7-12 mm	7-12 mm	7-12 mm	7-12 mm
Overvoltage protection on sensor side:	no	no	no	no
Supply on board:	1 mA or 0.1 mA or 1 V	1 mA or 0.1 mA or 1 V	1 mA or 0.1 mA or 1 V	1 mA or 0.1 mA or 1 V
Additional supply:	no	no	no	no
Compatibility:	MCC	MCC	MCC	MCC