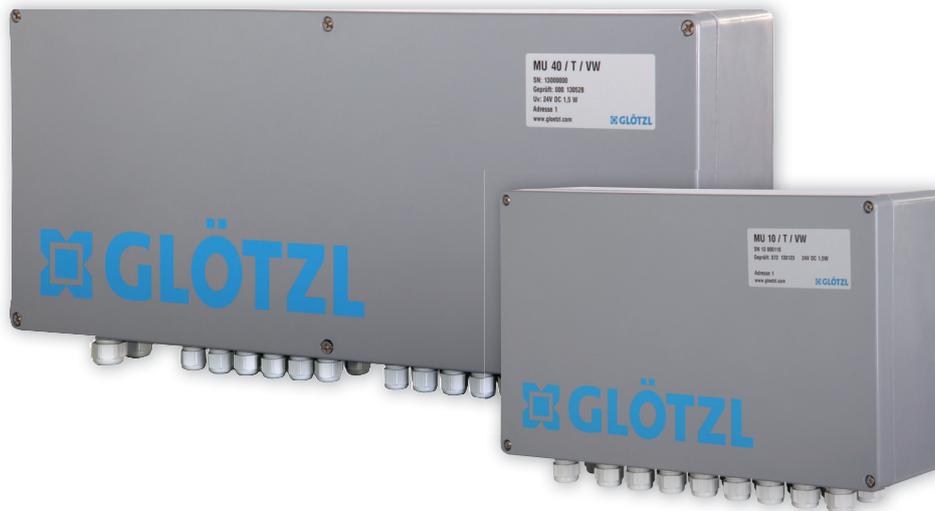


# Multiplexer Switching

MU 10/ 20/ 40



Our multiplexer Type MU is the smallest and the most inexpensive of all our multiplexers. Also this Multiplexer is not as flexible as its larger siblings from this product family. It is possible to connect sensors with the same output signal, therefore only sensors of the same kind (with regards to output signal) can be connected. This multiplexer MU is available in different sizes, depending on the amount of sensors for one project. It is available with different expansion stages in groups of 10.

Multiplexers Type MU are amplifications for sensors which are suitable for our data acquisition systems / measuring stations Type MCC. Lined up they will be wired within a structure, routed via a bus system and connected to the central data acquisition system / measuring station.

The communication cable can have a length up to 2.000m, if an optional power supply unit will be provided for each multiplexer. Each supply unit needs to be connected to the main power supply. In direct connection between Multiplexer and measuring system, distances of up to 500 m are possible.

Expansion Modules	Technical data	MU 10	MU 20	MU 40
<ul style="list-style-type: none"> <li>Mounting bracket for pipe installation</li> </ul>	No. of channels:	10	20	40
	Dimensions l x b x h:	40 x 25 x 12,5 cm	40 x 25 x 12,5 cm	60 x 25 x 13 cm
	Weight:	5.6 kg	6.4 kg	7.6 kg
	Switching time per channel:	3 sec	3 sec	3 sec
	Operating voltage:	15-30 V <sub>DC</sub>	15-30 V <sub>DC</sub>	15-30 V <sub>DC</sub>
	Power consumption:	130 mA	130 mA	130 mA
	Galvanic separation on sensor side:	yes	yes	yes
	Protection class:	IP67	IP67	IP67
	Temperature range:	-15°C to +70°C	-15°C to +70°C	-15°C to +70°C
	Protocol:	GL-bus	GL-bus	GL-bus
	Transmission rate:	1.200 baud	1.200 baud	1.200 baud
	Resolution:	16 Bit	16 Bit	16 Bit
	Power-up delay:	yes	yes	yes
	External supply unit:	no	no	no
	Cable connection:	7-12 mm	7-12 mm	7-12 mm
	Overvoltage protection on sensor side:	optional external	optional external	optional external
	Supply on board:	1 mA or 0.1 mA or 1 V or 4-20 mA	1 mA or 0.1 mA or 1 V or 4-20 mA	1 mA or 0.1 mA or 1 V or 4-20 mA
	Additional supply:	1 slot	1 slot	1 slot
	Expansion modules:	no	no	no
	Compatibility:	MCC S/L/XL	MCC S/L/XL	MCC S/L/XL