

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

- Mounting bracket for pipe installation

Technical data	MU 10	MU 20	MU 40
No. of channels:	10	20	40
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
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 _{DC}	15-30 V _{DC}	15-30 V _{DC}
Power consumption:	130 mA	130 mA	130 mA
Galvanic separation on sensor side:	yes	yes	yes
Protection class:	IP66	IP66	IP66
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	MCC	MCC