



# M-Bus

Universal bus for gauging probes and measuring instruments



SPC / XLS

**Modbus**  
RS 232 / USB

**Modbus**  
RS 232 / USB



Up to 2 inputs



Up to 99 inputs



Probes

Airgages

Scales / encoders

Instruments

Te



# M-Bus



PLC

**PROFI<sup>®</sup>  
BUS**

**Modbus**

RS 232 / USB

**Modbus**

Ethernet / USB



**Controllers**

Up to 61 inputs

Up to 254 inputs



**Multiplexers**

Temperature

Laser

Bluetooth

Force / position



## Multiplexer modules

Item	Ref
MB-AG : 1 Air gage, compatible with any brand	MB-AG
MB-4i : 4 Metro inductive probes (ex. M802; M804P)	MB-4i
MB-4it : 4 Tesa-compatible inductive probes (ex. GT21)	MB-4it
MB-4im : 4 Mahr/Feinprüf inductive probes (ex. P2004M, 1318; 1300)	MB-4im
MB-8i : 8 Metro inductive probes (ex. M802; M804P)	MB-8i
MB-8it : 8 Tesa-compatible inductive probes (ex. GT21)	MB-8it
MB-2S : 2 Incremental probes or encoders with Heidenhain Pinout 11µA or 1Vss (DSUB15)	MB-2S
MB-2T : 2 Incremental probes or encoders with Heidenhain Pinout TTL (DSUB15)	MB-2T
MB-4M : 4 Magnescale (ex. Sony) probes (ex. DK812)	MB-4M
MB-4C : 4 Sylvac capacitive probes (ex P25)	MB-4C
MB-4D : 4 Digimatic instruments (conversion cables for other standards are available)	MB-4D
MB-8D : 8 Digimatic instruments (conversion cables for other standards are available)	MB-8D
MB-BT : 8 Sylvac or Bowers Bluetooth instruments	MB-BT
MB-1R : 1 RS232 device	MB-1R
MB-IO : 8 optocoupled Inputs/Outputs	MB-IO
MB-RL : 2 relay outputs and 6 inputs	MB-RL
MB-PS : Power supply for M-Bus	MB-PS
MB-FP : Force (Kistler piezo probe) VS Position (Resistive probe type Novotechnik or Gefran)	MB-FP
MB-µ33 : 1 input for SIP µ33 precision measuring bench	MB-µ33
MB-8µE : 8 laser probes from Micro Epsilon type optoNCDT 1320/1420	MB-8µE
MB-TP : 1 temperature sensor PT100 and 1 thermocouple type K	MB-TP

## M-Bus Master modules

Item	Ref
MB-RS : RS-232 and USB communication (ASCII and modbus RTU) max 254 inputs	MB-RS
MB-IP : Ethernet and USB communication (ASCII and modbus TCP) max 254 inputs	MB-IP
MB-PB : Profibus DP module : max 61 inputs	MB-PB

## M-Bus Master displays

Item	Ref
M1-M3 : Display with up to 2 inputs, M-Bus compatible. Refer to dedicated brochure	11040
M400 : Display with up to 99 M-Bus inputs. Refer to dedicated brochure	45500

## M-Bus cables

Item	Ref
2m for M400 display and between modules	81210-2
5m for M400 display and between modules	81210-5
10m for M400 display and between modules	81210-10
1.5m for M1/M3 displays (with M8 connector)	81213-1.5



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