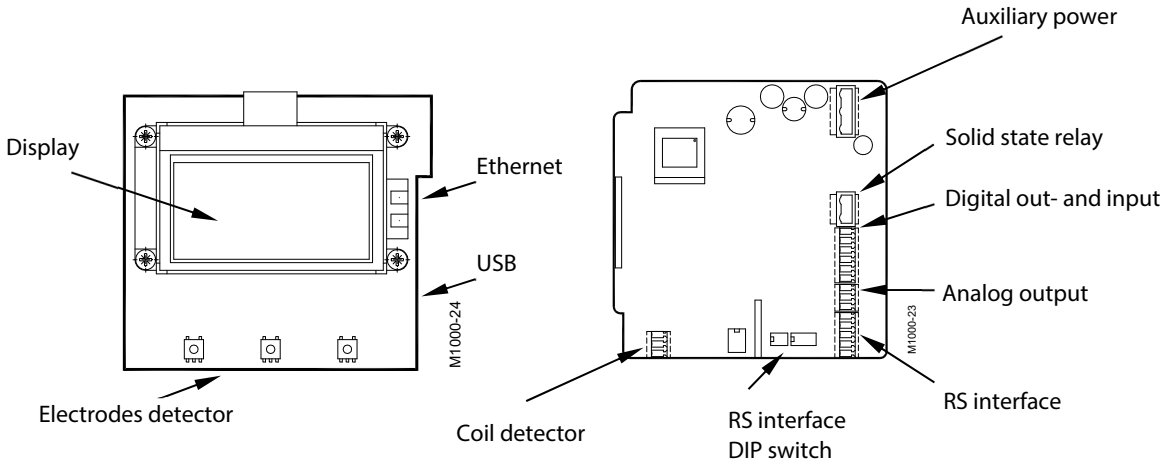
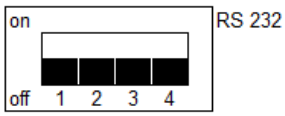
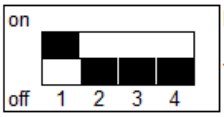
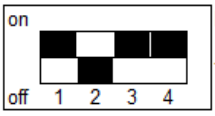
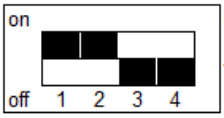
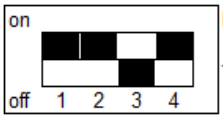
ModMAG® M1000

Configuring input/output (I/O)



Input/Output	Description	Terminal
Analog output	0 - 20 mA 4 - 20 mA RL < 800 ohm 0 - 10 mA	7 (+) 8 (-) 9 (GND)
Digital output		
1	Open collector max. 10 kHz • Passive max. 32 VDC, <100 Hz 100 mA, >100 Hz 20 mA • Active 24 VDC, 20 mA (can be powered by analog output if not used)	3 (-) 4 (+)
2	Open collector max. 10 kHz • Passive max. 32 VDC, <100 Hz 100 mA, >100 Hz 20 mA • Active 24 VDC, 20 mA (can be powered by analog output if not used)	1 (-) 2 (+)
3	Solid state relais max. 230 VAC, 500 mA, max 1 Hz (function is linked with output 2)	S1 and S2 ⚠
Digital input	5 - 30 VDC	5 (-) and 6 (+)
RS interfaces	RS 232, RS 485 and RS 422 with ModBus® RTU. Mode can be configured by DIP switches also if termination ON or OFF.  RS 232  RS 422 Term. OFF  RS 422 Term. ON  RS 485 Term. OFF  RS 485 Term. ON	4 2 2 / 232 / 485 A / RxD B Z / TxD / B Y / A G (GND)
USB	USB device CDC (Host mass storage)	Micro USB
Ethernet	Ethernet interface connection	RJ45 socket

Badger Meter

Wiring diagram