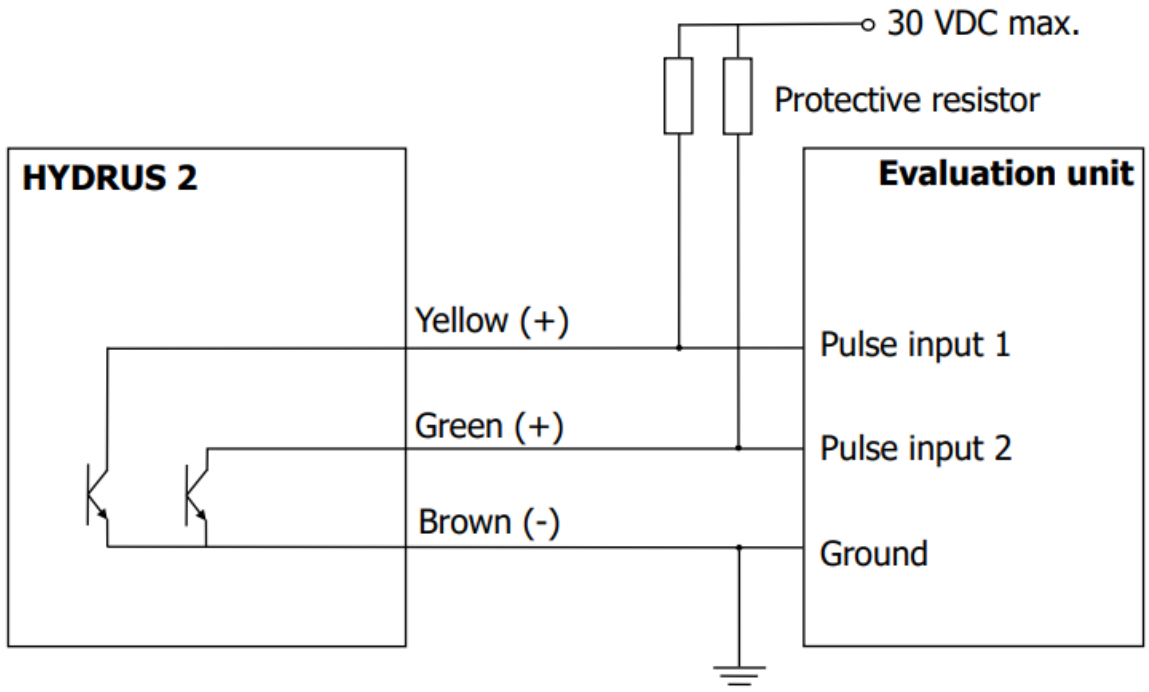
Kopplingsschema AT 7450B

Puls/M-bus

Pulse outputs (open drain)

Input voltage	max. 30 V
Input current	max. 27 mA
Voltage drop at the active output	max. 2 V / 27 mA
Current through inactive output	max. 5 µA / 30 V
Reverse current	max. 27 mA
Pulse duration, pulse break, pulse frequency	depending on device configuration (detailed description on request)

Connection diagram for passive evaluation devices (e.g. PLC)



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The pulse outputs are wired as open-drain, i.e. there is no current limitation internally in the meter. In order to assure functional reliability, a protective resistor is absolutely necessary for each pulse out-put, taking into account the input voltage (maximum 30 V) and the input current (maximum 27 mA).

Cable pin assignment

	AT 7450B (M-Bus / Pulse / Pulse)
M-Bus	Two-wire M-Bus cable with polarity reversal protection, 1.5 m long
Pulse, Output 1	10 L/P
Pulse, Output 2	100 L/P
Connection (network name)	
GND	Brown
Pulse 1	Yellow
Pulse 2	Green
M-Bus 1	White
M-Bus 2	Blue
Number of wires	5

Never connect the external M-bus to the pulse output of the meter! It will destroy the pulse output and lead to the loss of all factory warranty claims.

Radio specifications

Sending intervals	Every 14 … 256 seconds (variable, according to 0.1 duty cycle (min. 14 seconds); depending on protocol length and programming)
434 MHz frequency band	Transmission power (EN 300 220-2 V3.2.1): 10 mW e.r.p.
868 MHz frequency band	Transmission power (EN 300 220-2 V3.2.1): 25 mW e.r.p