

Twin-Pulse

M-BUS PULSE COLLECTOR

Twin-Pulse is a pulse counter for metering applications. It is an M-Bus based device and operates in slave configuration. It can manage simultaneously up to two pulse inputs. Twin-Pulse has a single primary address and a single secondary address for both counter inputs for quick installation and easy management of readings.

Care must be taken that each input is assigned the correct count line.

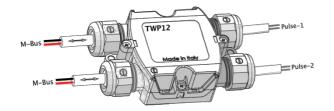
The two counter inputs are identified as J1 (counter 1) and J2 (counter 2).

Twin-Pulse is supplied with power by the M-Bus network. The device can be set up with the **MBus Tool** software.

TECHNICAL SPECIFICATIONS

Counter inputs	2 inputs: input J1 counter 1, input J2 counter 2	
Input requirements	Floating contacts only (reed or open collector pulser)	
Closed contact max. resistance	10 ΚΩ	
Max. line impedance with open contact	C < 2.2 nF with open contact	
Minimum detectable pulse length	38 ms	
Battery type	CR 2032	
Estimated battery life	1 year without M-Bus connection	
Communication protocol	Standard M-Bus	
Baud rate utilizzabili	300, 2400, 9600 bps	
Secondary address	8 digit BCD, flash memory storage	
Power consumption of bus connected module	1.4 mA (<1 unit load)	
Data sent in the telegram	Primary address Manufacturer ID Device type (counter etc.) Generation number Progressive message number Alarms Measuring unit code of the reading Instantaneous reading in litres of counter 1 and counter 2	
Alarms	Battery service life < 1 month	
Housing protection rating	IP68	
Operating temperature	0 °C-55 °C	
Storage temperature	-20 °C-70 °C	
Humidity (non-condensing)	10%-70%	





DEFAULT PARAMETERS

When the device is activated for the first time the following default parameters are settled.

Default primary address	0
Serial port setting	8 bit even parity 2400 bps
Reading set-up (both counters)	Medium water, 10 litres/pulse, counter = 0, multiplier 1/1

DEVICE SET-UP

In order to set up or change the default settings, an M-Bus interface and the **MBus Tool** software are necessary.

💯 MBus Tool v.3.1			- 🗆 X		
E,	👼 Identify device	TWINPULSE			
Setup	Meter setup Medium water				
Ê	Pulse 1	Pulse 2			
Read data	Initial reading 0	Initial reading 0	Setup		
	Multiplier/divider 10 🗣 / 1 🜩	Multiplier/divider 10 🖨 / 1 🖨	Setup		
Ø	Unit I 🔫	Unit I 🔻			
Search	Billing periodicity				
	On: day 1 🗘 month 1 🔹	Every: 1 🔻 months	Set periodicity		
	Date and time				
	Set from PC	15/03/2022 11:29	Set date and time		
	Reset alarms and counters Alarms Backflow volume	Max flowrate Max reverse flowrate	Reset		
COM Port 4	Primary address				
COM12 -	New address	1	Set address		
MBus master	Baudrate				
UniCo Baudrate	New baud rate	2400 👻	Change baudrate		
2400 -					
Address			ddalena		
• Primary			undiciid		
254 🚖	Activity Log				
Secondary					
Language English 🔻					

DIMENSIONS

