

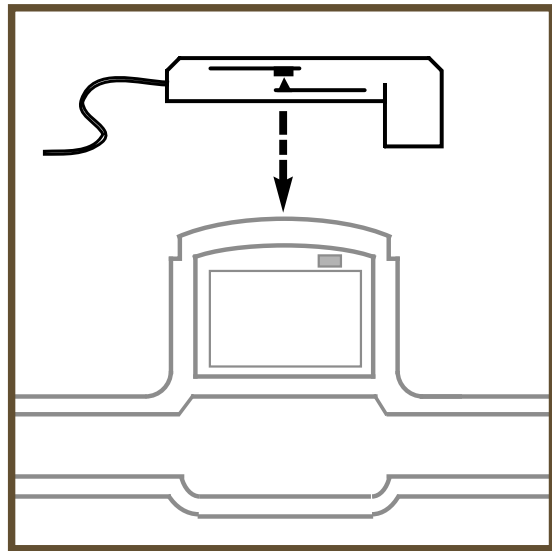
PULSAR

Low frequency modular pulse emitters

The Pulsar pulse emitters are at the core of the modular concept developed by Sappel over 10 years ago. They can be clipped onto all the meters of the Sappel modular range in a few seconds to turn them into communicating meters.

Pulsar uses a magnetic sensor transmitting a low-frequency signal. Pulsar is equipped with an ASIC (Application - Specific Integrated Circuit) designed to memorise back-flows and deduct them from the total flow volume.

Pulsar is powered by a lithium cell with a life of about 10 years and can be connected to remote reading system or Cursa consumption analysis



system. Pulsar has intrinsic safety approval and may also be used in explosive areas.



Main technical characteristics

Pulse emitter

Type	Pulsar
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Physics

Sensor	Flexible blades switch
Principle	Revolving magnetic field detection

Output signal

Type	NPN, open collector transistor
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Specifications applicable to intrinsic safety

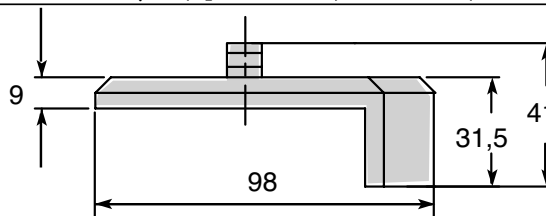
Number of wires	3
Cable length	1 m (standard); 3 m (on request)
Power supply	Lithium cell; operating life of about 10 years
Max. output voltage	20 V
Max. output current	 0,5 μ A (open status) - 50 mA (closed status)
Max. Frequency	25 Hz
GND	brown wire (-)
Pulse	white wire (+)
Tampering	green wire (+)
Flow direction	Takes account of backflows, with up to 250 pulses per return
Electromagnetic compatibility	 complies with the European Directive relating to electromagnetic compatibility (cable length up to 3 metres)
Intrinsic safety	EEX ia IIC T6 LCIE 99.E6069X
Pulse weight	1 litre : DN 15 to 40 mm 10 litres : DN 50 to 125 mm 100 litres : DN 150 to 200 mm
Operating temperature	-15°C to +55°C
Protection index	IP 685

(*) All Pulsar units used in intrinsic safety conditions must be new and never be used before on other systems.

Specifications not applicable to intrinsic safety

Max. output voltage	60 V
Max. output current	0,5 μ A (open status) - 200 mA (closed status)

Dimensions (mm)



Non contractual document. Please have the features specified before ordering.

Distributed by :

If you have any question, please do not hesitate to contact us :



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