

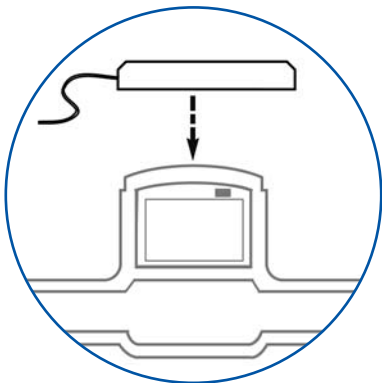
# PULSAR

## 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.

The new generation of Pulsar uses a Hall sensor and is available in two versions : standard 3-wire version which takes account of backflow and 4-wire version for determining the flow volume in both directions. Pulsar offers a number of alarms against magnetic tampering, unauthorised unclipping of module and cable cut.

Pulsar is powered by a lithium cell with a life of about 15 years and can be connected to remote reading system or Cursa consumption analysis system.



water range



industry range



energy range



modularity

# Main technical characteristics

## PULSE EMITTER

Type	<b>Pulsar</b>
Version	V 3.5


## PHYSICS

Sensor	Hall principle
Principle	Revolving magnetic field detection

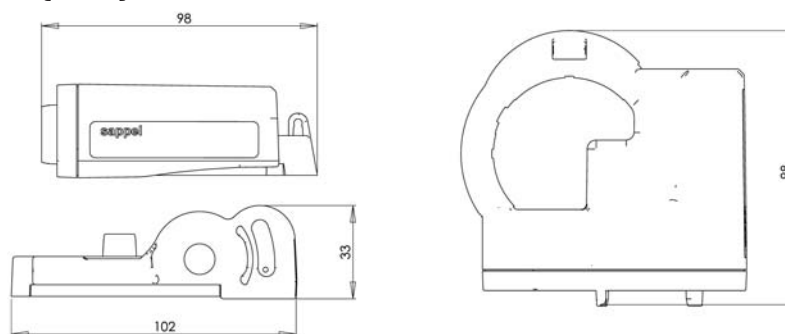
## OUTPUT SIGNAL

Type	NPN, open collector transistor
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## SPECIFICATIONS

Number of wires	3	4
Cable length	1,5 m	3 m
Power supply	Lithium cell	
Electric parameters	Max. output voltage : 30 V	
	Max. output current 0,5 µA (open status) Max. output current 100 mA (closed status)	
Max. frequency	8 Hz	
GND	brown wire (-)	
Pulse	white wire (+)	
Tampering	green wire (+)	
Flow direction	Takes account of backflows, with up to 500 pulses per return	yellow wire (+)
Electromagnetic compatibility	 Complies with the European Directive relating to electromagnetic compatibility (cable length up to 3 metres)	
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	

## DIMENSIONS (mm)



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