

Technical specification

Measurable media	Conductive fluids
Min. media electrical conductivity	$\geq 5\mu\text{S/cm}$ or $\geq 20\mu\text{S/cm}$ for demineralized water
Flow range	0,1 to 10 m/s
Displayed values	Actual flow, volume, positive, negative, total volume and auxiliary volume
Accuracy	$\pm 0,4\%$ of actual value
Power supply	Internal lithium battery – battery life up to 10 years
Communication	Modbus RTU
Flow direction	Bi-directional measurement
Ambient temperature	-20 to 60°C
Display	Graphical, contrast setup, sleep mode, backlight
Control	6 touch buttons + communication modules
Electronics weight	1,5 kg
Housing material	Aluminum (powder coated)
Housing dimensions	$\varnothing 134$ mm
Cable terminals	M20 IP68 cable glands
Electronics protection	IP68
Other features	Test of excitation coils Empty pipe detection Zero flow adjustment Flow simulator IrDa + IR remote control on request
Inputs	External temperature (optionable) External pressure (optionable)
Inbuilt outputs	Frequency Pulse USB
Frequency output	Configurable to be flow dependent Galvanically isolated open drain
Pulse output	One latching relay output configurable to an error detection or flow dependent Status or volumetric information Galvanically isolated dry contact
Optional Modules	3G/GPRS – ready RS485 –ready 4-20 mA – ready LoRa – on request 4G LTE + NB-IOT – in development
3G/GPRS/GSM	Sending flow and totalizer
Data logger	Internal, 119680 records



Sensor specifications

Connection types	DIN, ANSI, Other types on request
Flange	Steel 1.0036 or higher
Nominal size	25-600 mm, other sizes on request
Max. nominal pressure	PN40/300 psi
Ambient temperature	-20 to 60°C
Sensor	IP68
Liner	Hard Rubber, Hygienic Rubber, PTFE and other material on request
Electrodes	Hastelloy as standard, other materials on request
Measuring tube	Stainless steel 1.4301
Outer casing	Carbon steel (1.0036) as standard
External coating	Lacquered finish (anticorrosive)
Accessories options	Earthing rings for plastic and lined pipes

