

RSI / RS1.2IND-PP-NB

The RSI / RS1.2IND-PP-NB Series meters are the outcome of the integration between the traditional Pietro Fiorentini gas meter and the new generation of smart electronic modules. The mechanical measuring group, already deployed and tested on millions of residential customers, is well known for its proven accuracy and high reliability over time. This device is used in residential environments, for dry gas volume measurement.



Residential users



Commercial users

Features	Values
Minimum Flow rate (Qmin)	<ul style="list-style-type: none"> G1.6 = 0.016 m³/h 0.6 cfh G2.5 = 0.025 m³/h 0.9 cfh G4 = 0.04 m³/h 1.4 cfh
Maximum Flow rate (Qmax)	<ul style="list-style-type: none"> G1.6 = 2.5 m³/h 88.3 cfh G2.5 = 4 m³/h 141.3 cfh G4 = 6 m³/h 211.9 cfh
Start Flow rate (Qstart)	<ul style="list-style-type: none"> G1.6 = 3 dm³/h 0.10 cfh G2.5 = 5 dm³/h 0.17 cfh G4 = 5 dm³/h 0.17 cfh
Maximum Operating Pressure*	up to 50 kPa up to 500 mbar
Pressure Drop	≤ 0.2 kPa @Qmax ≤ 2 mbar @Qmax
Ambient temperature*	from -25 °C to 55 °C
Gas temperature range*	from -25 °C to 55 °C
Accuracy class	1.5
Ingress protection	Compliant to IP65 and IP67
Metrological power supply and operating lifetime	Lithium battery Up to 15+years [#] (non-replaceable)
Remote communication power supply and operating lifetime	Lithium battery Up to 12+ years [#] (field replaceable) depending on remote communication interface
Communication interface: Primary	NB-IoT
Communication interface: Secondary	BLE (Bluetooth Low Energy)
Local interface	Optical port – Far Infrared
Communication application protocol	Open industry standard compliant, agnostic to HES systems, ensuring flexible and seamless integration
Measuring Gas	Natural Gas (2nd family-group H, L and E and 3rd family according to EN 437)
Environment classes	M2/E2
Open location marking	H3
High Ambient Temperature Approved	T

Smart Gas Metering



Features	Values
Axis detection	Tilt detection alarm on ≥ 30 degrees movement
ATEX classification	II 3G Ex ic IIB T3 Gc
Connections	$\frac{3}{4}$ " NPT, $\frac{3}{4}$ " BS746, $\frac{3}{4}$ " BSPT, Others connections on request
Other Features	One meter - PrePaid \leftrightarrow PostPaid

(*) **REMARK: Different functional features and/or extended temperature ranges available on request. Stated temperature ranges are the maximum for which the equipment's full performance, including accuracy, are fulfilled. Standard product may have a narrower range.**

Table 1 Features

Materials and Approvals

Part	Material
Body	Zinc-coated / Cold rolled cold annealed pressed steel plate
Diaphragm	Synthetic / fabric reinforced rubber
Electronic enclosure	Plastic polycarbonate (UV and FR resistant)

REMARK: The materials indicated above refer to the standard models. Different materials can be provided according to specific needs.

Table 2 Materials

The RS1.2IND-PP-NB meters are designed to meet EN1359:2017. The products are certified according to European Directives 2014/32/EU (MID), 2014/34/EU (ATEX) and Bureau of Weights and Measures Department of Legal Metrology India.



EN 1359



EN16314



MID



ATEX



W&M INDIA

RSI / RS1.2IND-PP-NB competitive advantages



Advanced diagnostic

15+ years[#] metrological battery

Integrated shut off valve

Up to 12+ years[#] communication battery life depending on radio interface installed

Open communication protocol



Biomethane compatible and 20% Hydrogen blending compatible. Higher blending available on request



Secondary Communication Interface BLE (Bluetooth Low Energy)

#Under standard conditions

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