

# RS / 1.2 IND

**RS / 1.2 IND** is a mechanical high quality gas meter by Pietro Fiorentini designed in conformity to high accuracy and reliability standards. The metering cartridge determines the meter accuracy, and it is submitted to several and strict quality control procedures during the whole production process.

Suitable for use with natural and manufactured gas, LPG or other non-corrosive and preliminarily filtered gases, this device is strongly recommended for low-pressure gas distribution networks.



Residential users



Commercial users

Features	Values
Maximum flow rate	<ul style="list-style-type: none"> <li>• <b>G1.6</b> 2.5 m<sup>3</sup>/h   2500 l/h</li> <li>• <b>G2.5</b> 4 m<sup>3</sup>/h   4000 l/h</li> <li>• <b>G4</b> 6 m<sup>3</sup>/h   6000 l/h</li> </ul>
Minimum flow rate	<ul style="list-style-type: none"> <li>• <b>G1.6</b> 0.016 m<sup>3</sup>/h   16 l/h</li> <li>• <b>G2.5</b> 0.025 m<sup>3</sup>/h   25 l/h</li> <li>• <b>G4</b> 0.04 m<sup>3</sup>/h   40 l/h</li> </ul>
Maximum Operating Pressure*	50 kPa 500 mbar
Cyclic volume	1.2 dm <sup>3</sup> 1.2 l
Ambient temperature*	from -25 °C to 55 °C from -13 °F to 131 °F
Gas temperature range*	from -25 °C to 55 °C from -13 °F to 131 °F
Options	LF pulse emitter ready (AMR application)
Accuracy class	1.5
Measuring Gas	Natural Gas / LPG
Environment classes	M2/E2
Open location marking	H3
High Ambient Temperature approved	T
Nominal dimensions	Connection distance – 110 mm Width 190 mm; Height 210 mm; Depth 162 mm
Connections	3/4" NPT, BSPT, BS 746 and BSP (ISO 228)

**(\*) 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

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

**Table 2** Materials

RS / 1.2 IND is designed to meet OIML R137 and EN 1359. The product is certified according to European Directives 2014/32/EU (MID) and Bureau of Weights and Measures Department of Legal Metrology India.



OIML R137



EN 1359



MID



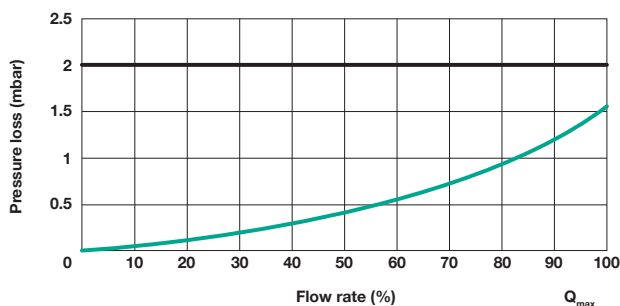
W&M INDIA

## RS / 1.2 IND compatibility with hydrogen blend and biomethane



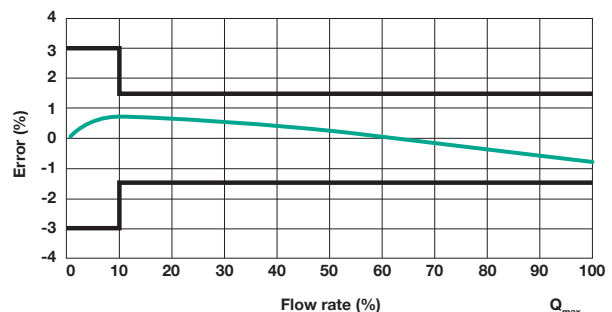
Biomethane compatible and 20% Hydrogen blending compatible. Higher blending available on request.

### Pressure loss curve



**Table 3** Pressure loss curve

### Error curve



**Table 4** Error curve