Tesenso
Analog

4..20mA to LoRa interface

Allows the transmission of any analog signal

The 4..20mA to LoRa interface allows the transmission of any analog signal respecting the 4..20 mA current loop standard. This converter makes it possible to connect any sensor or actuator, through a pair of electrical conductors in which circulates a current whose intensity is proportional to the signal to be transmitted

How it works

The measuring frequency can be configured (1x/day, 1x/hour or 1x/15min) as well as the frequency of data transmission with LoRa (for example at 1x/day, 1x/hour, 1x/5min).

Key Benefits:

- LoRaWAN compliant class C device
- External LoRa antenna
- External power supply (10...30 VDC) required
- Fully configurable via downlink

Applications:

- Smart metering / smart building
- Energy monitoring
- Building automation
- Sub metering
- Utility billing
- Service charge settlement

Document
Information

About:

File name	Tesenso Analog datasheet
Document type	Datasheet
Date	10.11.2021
Revision	1.0

Revision history:

Date	Release	Changes
10.11.2021	1.0	Initial release

Table of content:

Technical specifications

Interfaces:

Analog	2x Input 4..20mA to 1x LoRa interface

Mechanical specifications:

Weight	1100g
Dimensions	Width: 65,6 mm, Height: 80,2 mm, Depth: 43,78 mm
Enclosure	Plastic, Aluminium, ABS
Ingress Protection	IP41

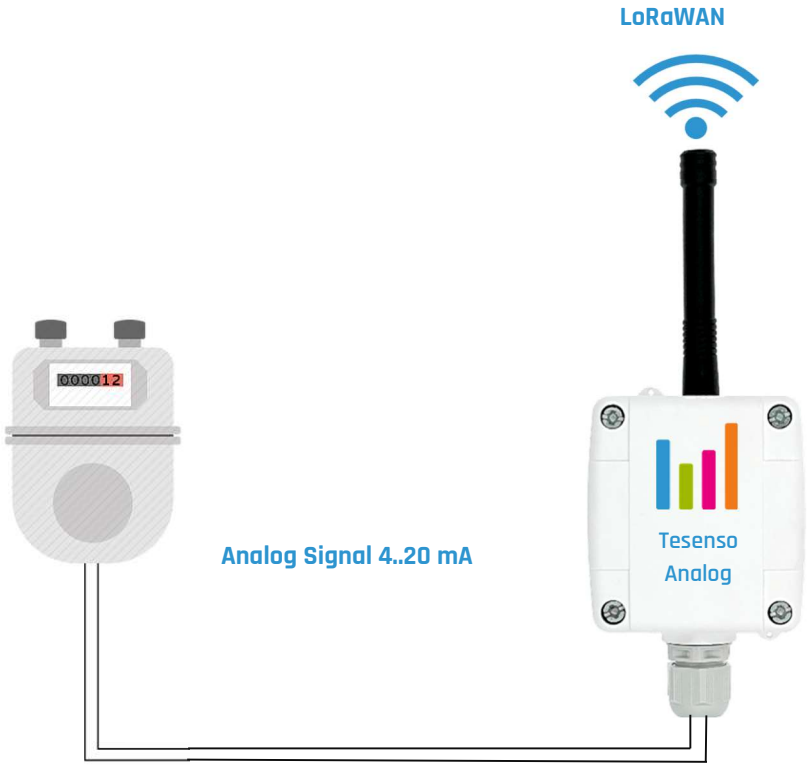
Operational conditions:

Temperature	0 – 80 °C
Humidity	0 – 95% RH, non-condensing

Operational conditions:

Power supply	10-36 VDC

Functional
Description



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Applications:

- Connect every sensor with a 4-20mA signals to the Cloud
- Energy management
- Building automation
- Facility Management

Keep in touch

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Disclaimer:

We reserve the right to make technical changes, which serve to improve the product, without prior notification.

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