

RS2000 SUM SF-D

ref. 101.0033.00 (internal antenna) / 101.0033.50 (external antenna)



Communication Solution for Smart Management of Metering Data - Water, Gas and Power.

SUM SF-D from CAS Tecnologia uses IoT communication technologies that enable efficiency, high availability and assurance in remote and continuous distribution and consumption monitoring.

By generating metering data by pulse or flow via magnetic sensors coupled to meters, the **SUM SF-D** collects, stores and transmits data from telemetry points, such as:

Industrial Facilities, Commercial Complexes, Houses, Condominiums, Neighborhoods and Cities, in addition to crucial points in the utility company's distribution system.



Compatibility with Meters approved by **INMETRO**.



Solution approved by **ANATEL**.

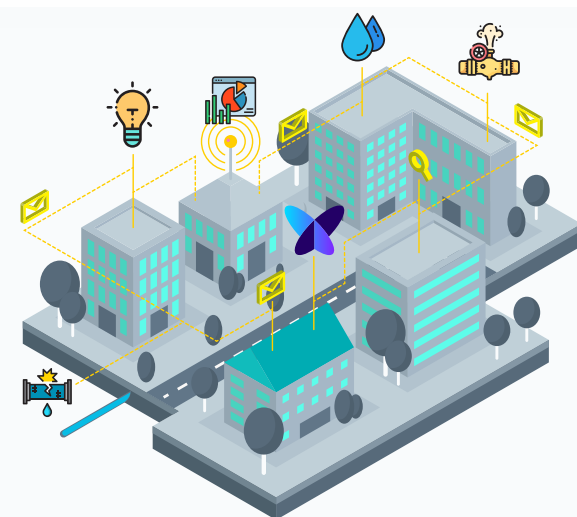


Communication Technology

Sigfox communication technology for data transmission, regardless of network infrastructure, with compressed and optimized radio protocol. Software-based communication solution.

Characteristics:

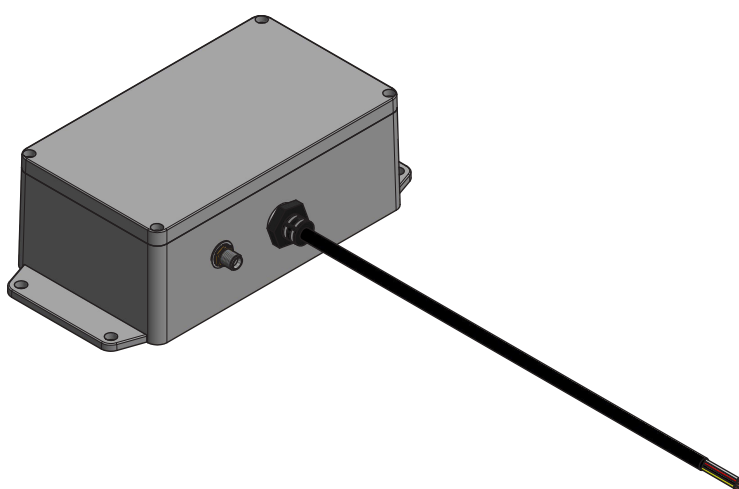
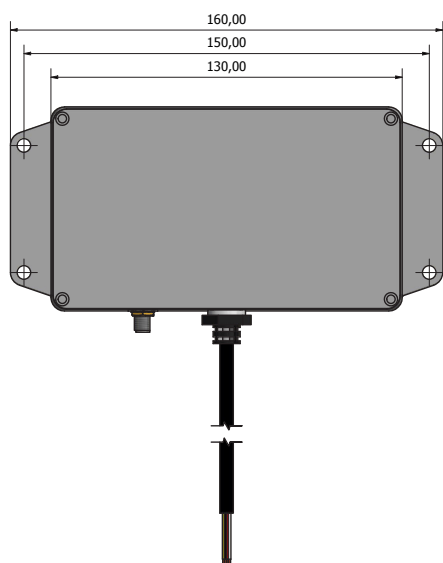
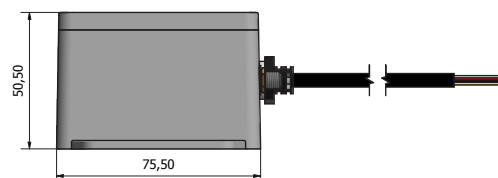
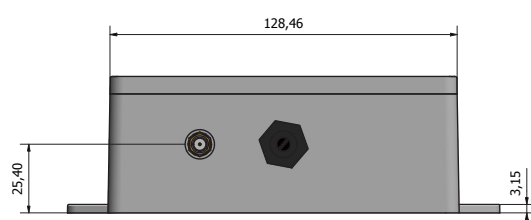
- Embedded intelligence for automatic data collection.
- Plug & Play Technology.
- Long-range Technology.
- Two-way communication.
- Easy coverage of extensive geographic areas.
- Low energy consumption.
- Low cost data transmission.
- Low deployment cost.
- Operates indoor and outdoor.
- Multiple manufacturer approach.



Technical Specification

Transmission Technology	SIGFOX
Input/output ports	1 Pulse sensor / 1 Alarm sensor / 1 Flow sensor
Connector A:	1 4-way cable (pulse / GND inputs)
Connector B:	100.0033.00 – Does not have / 100.0033.50 – SMA connector for external antenna
Frequency	RCZ2 902,2~905,2MHz RCZ4* 920,8~922,3MHz (* RCZ4 only utilized outside Brazil (Latin America)
Maximum output power	22.5 dBm
Power Supply	Primary 3.6V Li-SOCl2 2Ah Battery
Operating temperature	0°C a +50°C
Dimensions	130 x 75,5 x 50,5mm (WxHxD)
Weight	260g
IP Code	IP65

Technical Design



Note: This technical drawing refers to the model with antenna.