

TYNESS

Datasheet for TYNESS MODULAR and TYNESS ENERGY sensors



TYNESS

PRODUCT DESCRIPTION

The TYNNESS is available in 2 versions:

The TYNNESS-MODULAR is a multifunction and modular sensor for building your ideal sensor system. It can be used for any application: monitoring a boiler room, analyzing power consumption of a production machine, MBUS LoRa® or GPRS concentrator

Take your Tyness and choose 1 or 2 function cards from the catalog: current measurement using clamps or Rogowski, optical sensor, PT100 temperature measurement, 4-20mA / 0-10V interface, MODBUS, M-BUS protocol

The TYNNESS-ENERGY version comes standard with a card having the following features:

- 2 digital inputs for metering pulses or transmitting warning states
- a place for an additional card.



TECHNICAL SPECIFICATIONS

TYNESS ENERGY / MODULAR

POWER SUPPLY

EXTERNAL POWER SUPPLY	5VDC
BATTERY POWER SUPPLY	Possible with certain additional cards Voltage: 3.6 VDC
BATTERY LIFE	up to 3 years

CONNECTORS - ENERGY VERSION

PULSE COUNTING	2 inputs
ADDITIONAL CARD	1 place

CONNECTORS - MODULAR VERSION

ADDITIONAL CARD	2 places
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RADIO COMMUNICATION

WIRELESS COMMUNICATION	LoRaWAN™
MAXIMUM TRANSMISSION POWER	14dBm
ANTENNA	Integrated antenna (Option : available with an external antenna)
UNIQUE SERIAL NUMBER	yes
COMMUNICATION DISTANCE	15 km in open areas

PHYSICAL CHARACTERISTICS

DIMENSIONS (H X L X D)	142 x 77 x 36 mm
MOUNTING	DIN rail, magnet or wall mount (option: double-sided adhesive)
WEIGHT	132 g