



SICUREZZA • ENERGIA • AMBIENTE

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## PULSE READER LUCIOLA



**BROCHURE**

**Technical Features**

### DIGITAL INPUTS

Number of inputs

2 to connect metrologic output from other meters (water, heat, gas)

Input Voltage

Normally open contacts

### OPTICAL INPUTS

Number of inputs

2

Wavelength

550-1100nm (from yellow-green to near infrared)

### POWER SUPPLY

Nominal Voltage

3,6 Vcc (lithium battery – not rechargeable)

Battery autonomy

2 years

### ANTENNA

Connector

External Stylus

Radiation

Omnidirectional

Gain

25 mW (+14dBm)

### OPERATING CONDITIONS

Operating temperature

- 20 / +60 °C

Storage temperature

- 40 / +85 °C

Rel. Humidity (no condensation)

< 95%

Ingress Protection rating

IP43

### MECHANICAL CHARACTERISTICS

Weight

0,1 Kg

Dimensions

80x55x20mm

Mounting

Velcro® fixing

LUCIOLA®, the SIGFOX based led pulse reader, allows the user to get automatic remote reading of the 2 metrological led that repeat the active and reactive energy consumption of the main electricity meters used by electricity distributors (ENEL, ACEA, A2A, IREN, etc.) through the SIGFOX network. The device is battery operated, has 2 years battery autonomy and can be fixed to the meter through an adhesive Velcro® label, easily removable if needed.

The SIGFOX network is a mobile phone network for IoT and allows to operate transfer of data without modem and SIM card

The LUCIOLA® Pulse Reader device allows meter management throughout both leds reading (active and reactive energy) and the collection of both Energy and Demand for each 15 minutes intervals. A web server and a mobile phone app allow alarms management for maximum demand and communication with the device. It is possible to save and analyse Energy and Demand data both in graphical and numerical records. It is possible to select, on a daily basis, 8 different delay values to manage the Maximum Demand threshold (1 kW, 2 kW, 3 kW, 4 kW, etc.). LUCIOLA® is

available in the version able to read the metrological LEDs from Enel meters or with 1 or 2 extension cables for sensors, as well as for reading one or two S0 pulses from meters electricity, gas, water and heat meters.

The LUCIOLA® device is SIGFOX certified since September 2016 and is compliant with electromagnetic EU directives; it does not interfere with other home appliances and with the correct operation of the meter and is CE marked.

The device manages and saves the following values:

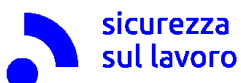
- Active energy
- Reactive energy
- Demand
- Metrological pulse outputs from other meters (gas, water, heat).

The pulse reader device comes with a bundle offer (device + web server access + 24 months of connectivity).

INTEGRA will support technicians and installers with remote test during installation to check for minimum network coverage.



Il dispositivo LUCIOLA® è disponibile nelle versioni per lettura di Led metrologici da contatori Enel o da altri tipi di contatori elettrici, con cavetti di prolunga per i sensori, oltre che per lettura di uno o due impulsi S0 da contatori per gas, acqua e calore.



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