

iProbe

Infrared reader for iLoMod

The iProbe extension to the iLoMod LoRaWAN Modbus bridge allows, additionally to the existing Modbus monitoring, the connection of up to 5 IR reading units ("opto head"), with which blink pulses can be counted, but also active or passive data, e. g. in DIN EN 62056-61 (D0 standard), can be collected and processed.

Overview

- ✓ Magnetic fastening according to DIN EN 62056-61 or adhesive tape
- ✓ Up to 5 reading units connected in series
- ✓ Automatic identification of the connected reader units
- ✓ Status feedback via LED on the rear panel
- ✓ Interactive configuration via web interface on the iLoMod
- ✓ Connection secured against interferences
- ✓ User-configurable criteria for LoRaWAN data transmissi

Subject to technical changes



Technical data

- ✓ Power supply: 5V DC via iLoMod
- ✓ Power consumption: 200 mW
- ✓ Operating temperature: -20 °C to 65 °C
- ✓ Relative humidity: 10 to 85 %
- ✓ Mounting: magnetically according to DIN EN 62056-21 or by using adhesive tape
- ✓ Case (W x H x D): 40 mm x 30 mm x 35 mm
- ✓ Weight: 40 g



Interfaces

- ✓ RJ-11 4-wire
- ✓ Infrared 850nm transmit/receive
- ✓ D0, 62056-61, SML, DLMS

Features

- ✓ Meter / feed monitoring
- ✓ Energy monitoring, energy management
- ✓ Compatible with Modbus-based terminal devices on the iLoMod
- ✓ Combinable with PV inverter monitoring on the iLoMod
- ✓ Consumption / generation acquisition, control, regulation, limitation, etc.
- ✓ Cloud communication (via iLoMod) using LoRaWAN and/or WLAN

