

Cyclops photoreceiver

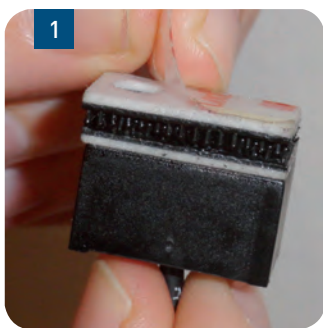
A precise watchful eye on Electrical production and/or consumption

Cyclops photo receiver detect the amount of the Energy produced, consumed and counted from any meter equipped with an optical output (Red and yellow LED). The Photo receiver converts light signals from active energy, emitted by the LED, into pulses. Plants energy consumption can be monitored once the pulses are acquired by the data logger (X-RWU).

Combine the Cyclops with an X-Meter and an XM3, CT's or Rogowsky and Voltmetric probes to acquire and record pulses coming from bi-directional meters. The Cyclops acquires the measurements directly from the same LED used for the instrument's calibration; this guarantees the accuracy of the measure itself.

The installation of the device is simple, quick and non-invasive. Apply a small probe, equipped with a photoreceiver to the meter and connect it to the Cyclops that will then send pulses to an X-RWU or an X-Meter (equipped with XM3).

How to install Cyclops



| General | |
|-----------------------|--|
| Dimensions | 39 x 78 x 23 mm (module) 22 x 14 x 12 mm (photoreceiver) |
| Weight | 30 g. |
| Case material | Plastic |
| Protection rating | IP20 |
| Operating temperature | -20° ÷ +70°C |
| Relative humidity | 95% non-condensing |
| Other features | External probe with photodiode Cable L = 50 cm |
| Electrical | |
| Power supply | +12 ÷ +24 Vdc |
| Consumption | 33 mW / 2,8 mA, |
| Visual indicators | 1 LED, flashes with pulse received |
| Output | Open Collector: VMAX = 28 Vdc; IMAX = 100 mA |
| Output pulse length | Settable to 50 or 100 mSec. |
| Power cable | Sez. 0,25 mm ² (AWG 23); LMAX = 500 m Sez. 0,50 mm ² (AWG 20); LMAX = 500 m |

Examples of meters compatible with the photoreceiver



ISKA



LANDIS + GYR



ACTARIS
SL7000



GET2A



GET3A



GET4S



GIST



GISS