



Solar radiation wireless data logger. **IP 67** waterproof housing. Custom LCD display (only with **option L**). It stores the measures in its internal memory (42,000 samples) and transmits the logged data to the base unit automatically at regular intervals or upon request.

One input with M12 connector for the pyranometer.

**Calculated quantities:** daily solar radiation in Wh/m<sup>2</sup> (Wh = watt hour).

The pyranometer mV signal is also displayed.

Acoustic alarm with internal buzzer. Configuration via **HD35AP-S** software. Powered by the internal battery. Installation: wall mounting with HD35.24W flange (**optional**) or fixing to a Ø 40 mm mast with HD2003.77/40 clamping (**optional**). Protection shield against solar radiations (**optional**) for outdoor installation. The antenna is internal by default; on request, the antenna can be external fixed or with 3 m cable.

#### TECHNICAL CHARACTERISTICS

<b>Solar radiation</b>	
Sensor	Thermopile
Measuring range	0...2000 W/m <sup>2</sup>
Resolution	1 W/m <sup>2</sup>
Sensitivity	Configurable in mV/(kW m <sup>-2</sup> )
<i>Note:</i> for the other characteristics, please refer to the data sheet of the chosen pyranometer.	
<b>Instrument</b>	
Transmission frequency	Factory configurable at choice among: 868 MHz, 902-928 MHz, 915-928 MHz, 921.5-928 MHz or 915,9-929,7 MHz depending on the frequency in use in the country of installation
Transmission range	In open field: 300 m (E, J)/ 180 m (U) with internal antenna. > 500 m (E, J, U) with external antenna. <b>(can be reduced in presence of obstacles or adverse atmospheric conditions)</b>
Logging interval	1, 2, 5, 10, 15, 30 s / 1, 2, 5, 10, 15, 30, 60 min
Power supply	<b>Non rechargeable</b> lithium thionil chloride (Li-SOCl <sub>2</sub> ) internal battery, 3.6 V, size A, 2-pole Molex 5264 connector
Battery life	2 years typical (without repeaters, measurement interval 5 s and log interval 30 s)
Operating conditions	-20...+70 °C / 0...100 %RH non condensing
Dimensions	129 x 80 x 55 mm (excluding probes and external antenna)
Weight	250 g approx.
Housing	Polycarbonate
Protection degree	IP 67

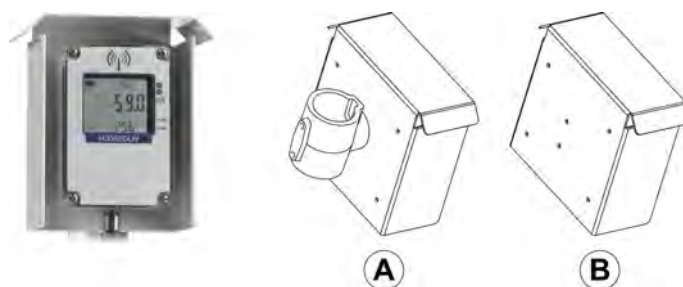
#### PYRANOMETERS

**LP PYRA 02** First Class pyranometer according to ISO 9060. Output in µV/(Wm<sup>-2</sup>). Supplied with: shade disk, cartridge with silica-gel crystals, 2 spare sachets, levelling device, connector and Calibration Report. **On request 5 or 10m cables with connector.**

**LP PYRA 03** Second Class pyranometer according to ISO 9060. Output in µV/(Wm<sup>-2</sup>). Supplied with levelling device, connector and Calibration Report. **On request 5 or 10m cables with connector and shade disk.**

**LP SILICON-PYRA 04** Pyranometer with silicon photodiode for measuring the global solar irradiance, diffuser for cosine correction. Spectral range 350...1100 nm. Typical sensitivity: 10 µV/W m<sup>-2</sup>. Measuring range: 0...2000 W/m<sup>2</sup>. Fixed cable 5m long, terminated with open wires.

#### SOLAR RADIATIONS SHIELD OPTIONS



**A** = for fixing to a Ø 40 mm mast (with HD2003.77/40 clamping)  
**B** = wall mount (without clamping)

#### DATA LOGGER ORDERING CODES

