BLITZ SENS





B (First) Class LPY-CB and C (Second) Class LPY-CC pyranometers which fully comply with ISO 9060 standards, and meet the requirements defined by the World Meteorological Organization (WMO). These are strong and reliable groundbased instruments, especially designed to be used under all weather conditions. They are suitable for installation on the field.

Recommended use: atmospheric research, weather stations, climatology, energy saving research, productive efficiency test of photovoltaic plants, etc...

Pyranometers LPY-CB and LPY-CC are well suited for the measurement of incoming global solar radiation ($0.3\mu m \div 3\mu m$ spectral range)

Technical Specification	LPY-CB	LPY-CC
Typical sensitivity	6 ÷ 12 μV/Wm-2	5 ÷ 15 μV/Wm-2
Measuring range	0 ÷ 2000 W/m2	
Viewing field	2π sr	
Spectral range (50%)	283 ÷ 2800 nm	300 ÷ 2800 nm
Operating temperature	-40 °C ÷ 80 °C	
Weight	0.90 Kg	0. 45 Kg
ISO 9060 Specifications		
Response time 95%	< 10 s	< 20 s
Response to thermal radiation (200Wm-2)	<10 W/m2	<15 W/m2
Response to temperature change 5K/h	< ± 4 W/m2	< ± 4 W/m2
total zero off-set including the effects a), b) and other sources	< ±15 W/m2	< ±20 W/m2
Long-term instability (1 year)	< ±1 %	< ±1 %
Non-linearity	< ±1 %	< ±1.5 %
Response according to the cosine law	< ±18 W/m2	< ±20 W/m2
Spectral error	< ±0.5 %	< ±2 %
Temperature response (-10+40°C)	< 1.5 %	< 3 %
Tilt response	< ±2 %	< ±2 %



WIRING DIAGRAM



LPY-CB-MV / LPY-CC-MV



LPY-CB-A / LPY-CC-A (4...20 mA)



LPY-CB-V / LPY-CC-V (0-10 V)





LPY-CB-RS485 / LPY-CC- RS485 (RS485 MODBUS RTU)



Fixed 8-pole M12 plug

Female 8-pole M12 connector

Connector	Function	
1	Power supply negative (GND)	
2	Power supply positive (+Vdc)	
3	Not connected	
4	RS485 A/-	
5	RS485 B/+	
6	Housing	
7	Not connected	
8	Not connected	