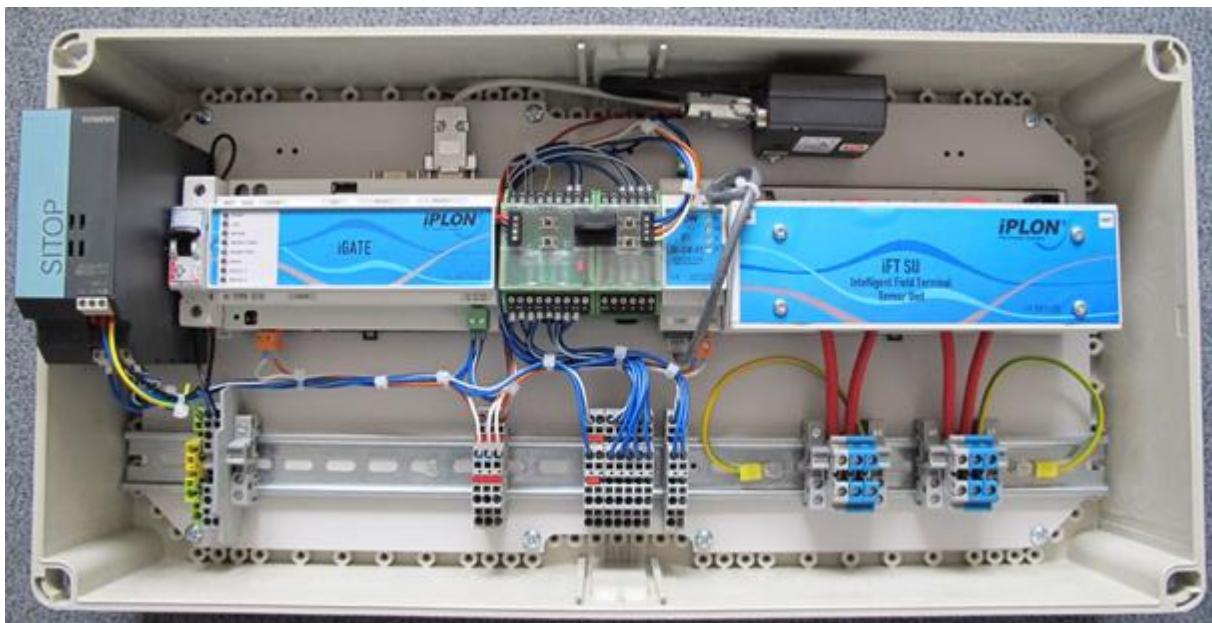


Soiling Loss System

Sensor Box for measuring the effect of soiling on photovoltaic panels

Consists of:

- iPLON iFTSU4 – current sensor
- iPLON iFT GW FT – Gateway between the current sensor and SCADA
- Meanwell Power Supply – 24 V 230 V AC
- Wire clamps
- Wires
- 8 analogue inputs for sensors
- Relay contacts for alarms
- Internet through GSM-Modem



Fuses	
AC Input	2 A

Data Transmission to Field Terminals

Lonworks Network	
Protocol	ISO/IEC 14908
Data rate	78kBaud
Topology	Free (Ring, Star ,Line, Mixed)
Cabling	Twisted pair (pole insensitive)

Electrical Data

Generator connection	
System voltage	230V AC
System current	0.5 A-AC
Auxiliary supply	24V DC
Power consumption	Max.100W, nom. 50W
Overvoltage protection	Yes

Mechanical Data

General	
Protection class	IP 65
Enclosure Type	Hensel, wall mount;
UL listing	pending
Standards	Standard EN 50298
Dimensions H x W x D	300 x 600 x 155 mm
Weight	5,5 Kg

Ambient Conditions

Operation temperature	0°C to +45 °C (short time 55°C)
Storage temperature	-20 to 70 °C
Relative air humidity	Humidity up to 95 % non-condensing