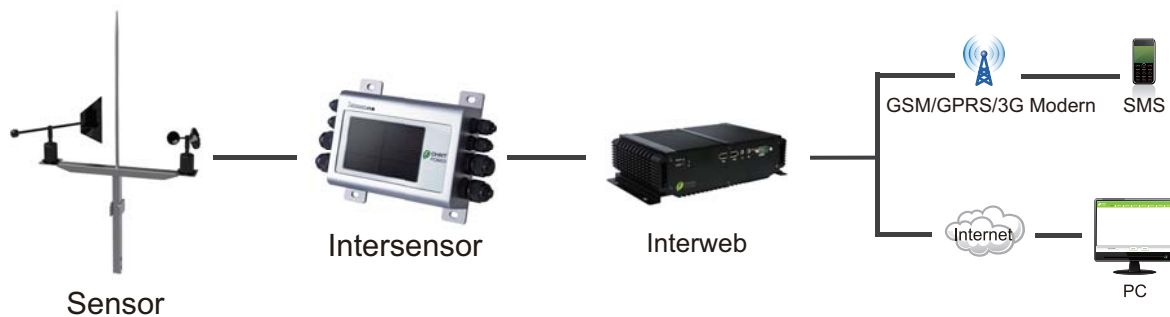


# Weather Station - Intersensor

Chint Power Intersensor real-time monitors environmental data including irradiance, ambient temperature, PV module temperature through various sensors. With optional sensors, such as ambient temperature sensor, wind speed sensor, and wind direction sensor more flexibility solution are achieved.

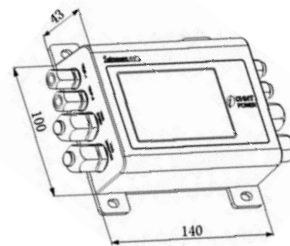
Intersensor communicates via specific protocol with Chint Power data logger. Wholly system provides actual operating data analysis for a running PV module.

## System Schematic



## Intersensor

- IP65 compliant for outdoor application
- Comply with RoHS & CE
- Precise acquisition of sensors values
- Data analysis on any PC
- Scientific interface design, easy to install
- Easy to communication via RS485
- Professional industrial design, well-shaped



Dimensions (mm)




**Technical Data**





Model Name	Intersensor
<b>Communication</b>	
Data Logger Communication	RS485
<b>Power Supply</b>	
Power Supply	Power adapter
Input Voltage (Adapter)	100-240Vac, 50/60Hz
Input Voltage (Intersensor)	24Vdc / 14-28Vdc
Power Consumption	1.44W
<b>Environmental Conditions in Operation</b>	
Ambient Temperature	-20°C - +50°C
Ingress Protection	IP65
<b>Mechanical Data</b>	
W×H×D (mm)	140×100×43
Weight (g)	950
<b>Accessories</b>	
Irradiation Sensor	●
Module Temperature Sensor	●
Ambient Temperature Sensor	●
Wind Speed Sensor	○
Wind Direction Sensor	○
Sensor Frame	○
Power Adapter	●

● Standard features    ○ Optional features

**Interface Definition - Intersensor**

Intersensor	Interface Definition	
	1. Module Temp.	5. Expansion Port 1
	2. Ambient Temp.	6. Expansion Port 2
	3. Wind Speed	7. Power
	4. Wind Direction	8. RS485

**Sensor Type and Data Recommended**

Sensor Type	Irradiation Sensor	Module Temp. Sensor	Ambient Temp. Sensor	Wind Speed Sensor	Wind Direction Sensor
					
<b>Technical Data</b>					
Material	Polysilicon	PT100		Plastic	Plastic
Working Temp.	-20 - +85°C	-20 - +110°C		-40 - +80°C	-40 - +80°C
Measuring Range	0-1500W/m <sup>2</sup>	-20 - +100°C	-20 - +85°C	0-70m/s	0-360 °
Measuring Accuracy	±5%	±0.1°C		±0.1 m/s	0.1%