

## Fronius Sensor Card / Box



### Measurement of additional data by connecting various sensors.

Using the Fronius Sensor Card / Box, sensors can be integrated into the Fronius DATCOM system to measure:

Irradiance  
Ambient temperature  
Module temperature  
Wind speed  
etc.

### Technical Data

Fronius Sensor Card / Box		
Supply voltage	12 V DC	
Power consumption		
- Sensor Card	1.1 W	
- Sensor Box	1.3 W	
Box protection class	IP 20	
Dimensions (l x w x h)		
- Sensor Card	140 x 100 x 26 mm	
- Sensor Box	197 x 110 x 57 mm	
Interfaces (only Sensor Box)	Socket:	Description:
- RS 422	RJ 45	"IN"
- RS 422	RJ 45	"OUT"
Channels T1, T2	PT1000	
- Sensors	-25 °C...75 °C	
- Measuring range	0.5 °C	
- Accuracy	1 °C	
- Resolution		
Irradiance channel		
- Measuring range	0...100 mV	
	0...200 mV	
	0...1 V	
- Accuracy	3 %	
Channels D1, D2		
- Max. voltage level	5.5 V	
- Max. frequency	2500 Hz	
- Min. pulse duration	250 µs	
- Switching threshold "OFF" ("LOW")	0...0.5 V	
- Switching threshold "ON" ("HIGH")	3...5.5 V	
Channel current input		
- Measuring range	0...20 mA	
	4...20 mA	
- Accuracy	5 %	