



7 Easy Steps to Perfect System Monitoring

1. Select the Datalogger

FRONIUS IG Datalogger *easy*: for systems with only 1 inverter

FRONIUS IG Datalogger *profi*: for systems with up to 100 inverters

Both Dataloggers can be designed either as **Card** (card plugs into the inverter) or **Box** (in its own housing).

Card: for distances < 20 m (RS 232) between PC and inverter

Box: for distances > 20 m between PC and inverter (USB: < 3 m between Box and PC)

2. Select the DatCom Components

	Without remote monitoring	With remote monitoring			
	FRONIUS IG.access	FRONIUS IG.message	FRONIUS IG.access	FRONIUS IG.online	Warning signal only
Datalogger Box/Card	1	1	1	1	1
Com Card	1 per inverter	1 per inverter	1 per inverter	1 per inverter	1 per inverter
Modem in inverter		1)**	1)**	1)**	1)**
FRONIUS IG.access (software)	1		1		
FRONIUS IG.message (software)		1			
Modem in PC			1		
System requirements	PC	PC Possibly fax or mobile phone	PC		Fax, mobile phone or PC

The different variations of remote monitoring can also be **combined** with each other.

)** permissible modem types: US Robotics V.Everything, Tixi Message Modem, Siemens TC35i (GSM)

)*** only the Tixi Message Modem can be used.

The **Tixi Message Modem** is available as 56k Modem (analogue).



3. Do You Want to Attach Sensors?

E.g. for temperature, irradiation, wind speed, electricity metering, etc.

You need: FRONIUS IG Sensor Card: For distances < 15 m between inverter and sensors
 FRONIUS IG Sensor Box: For distances > 15 m between inverter and sensors
Requirements: 1 Datalogger per 100 inverters and 1 COMCard per inverter

4. Do You Want to Connect a Public Display (Large Scale Display)?

You need: 1 FRONIUS IG Public Display
Requirements: 1 Datalogger and 1 COMCard per inverter

5. Do You Want to Connect a String Control?

You need: FRONIUS String Control (number and type according to number of strings)
Requirements: 1 Datalogger and 1 COMCard per inverter

6. Do You Want to Use the Personal Display (Radio Display)?

For wireless monitoring of up to 15 inverters from a distance of up to 300 m (30 m in buildings).
You need: 1 Personal Display and 1 Personal Display Card (with aerial) per inverter
Requirements: none

7. Do You Want to Use the Signal Card?

For triggering a floating contact in the event of a malfunction.
You need: 1 FRONIUS IG Signal Card 1 optional signal transmitter (e.g. horn, light, radio, etc.) per inverter
Requirements: none