

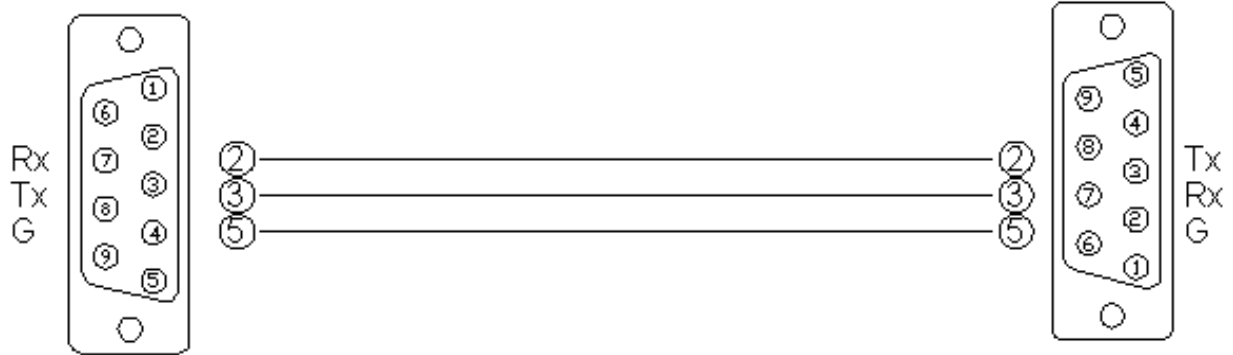
Partner: Fronius
Model: IG 3000
Device Type: Miscellaneous



GENERAL INFORMATION

SIMPLWINDOWS NAME:	Fronius IG 3000 v1.0
CATEGORY:	Miscellaneous
VERSION:	V1.0
SUMMARY:	This program will query the Fronius IG Inverter for common Now, Day and Total measured values.
GENERAL NOTES:	This program queries the Fronius IG Inverter for the more common current measurements. When having more than one inverter on a Fronius network, multiple instances of the module can be used. Use the parameter field to assign a UNIQUE ID to each instance of the module. It is recommended to stagger the polling with a stepper by a few seconds for each module used. Please see the demo program for further explanation.
CRESTRON HARDWARE REQUIRED:	2-Series Processors ONLY
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 19200 Parity: N Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	Unknown
VENDOR SETUP:	Inverter must be set with a unique Network ID. This is done by selecting the setup menu and scrolling down to IG—NR. Press enter and use the up/down arrows to set ID. Parameter field on Crestron Module must match. Datalogger interface setting switch to position #4.
CABLE DIAGRAM:	CNSP-123

Partner: Fronius
Model: IG 3000
Device Type: Miscellaneous



CONTROL:

Poll	D	Push to query inverter for current measurements
From_Device	S	Serial signal from a 2-way com port

FEEDBACK:

Inverter_Power_Now_Text	S	Serial text string indicating current power.
Inverter_AC_Current_Now_Text	S	Serial text string indicating current AC current.
Inverter_AC_Voltage_Now_Text	S	Serial text string indicating current AC volyage.
Inverter_Frequency_Now_Text	S	Serial text string indicating current frequency.
Inverter_DC_Current_Now_Text	S	Serial text string indicating current DC current.
Inverter_DC_Voltage_Now_Text	S	Serial text string indicating current DC voltage.
Inverter_Energy_Total_Text	S	Serial text string indicating total energy generated.
Inverter_Operating_Hours_Total_Text	S	Serial text string indicating total operating hours.
Inverter_Energy_Day_Text	S	Serial text string indicating energy generated within a day.
Inverter_Energy_Year_Text	S	Serial text string indicating energy generated within a year.
To_Device	S	Serial signal to be sent to a 2-way com port

Partner: Fronius
Model: IG 3000
Device Type: Miscellaneous

**TESTING:**

OPS USED FOR TESTING:	PRO2 Cntrl Eng [v4.000.00226 (Release)]
SIMPL WINDOWS USED FOR TESTING:	2.10.32
CRESTRON DB USED FOR TESTING:	20.00.013.00
DEVICE DB USED FOR TESTING:	20.01.002.00
SAMPLE PROGRAM:	Fronius IG 3000 Demo Pro2 v1.0
REVISION HISTORY:	V. 1.0