IMP SERVER



What is IMP Server?

The Measuresoft IMP Server is an OPC Data Access and Excel RTD Server for the Solartron IMP range.

The Measuresoft IMP Server comes equipped with desktop configuration and monitoring tools, making network setup an effortless task. Setting up the IMP network, modules and channels is straightforward and user friendly.

Configuration is then used by the server to issue commands to the S-Net via a special interface installed in the PC, which initiates measurement of nominated channels. During scanning operations, the Measuresoft IMP Server manages all aspects of IMP and S-Net communications, initializing & programming the IMPs, commanding them

OPC Data Access and Excel **RTD** Server

Features

Compatible with both legacy (XP) and current versions of Windows

32-bit andr 64-bit versions are available

Compatible with the OPC Data Access v1.0 and v2.0 standards

Compatible with the Excel RTD

Compatible with **3595 4A/4B/4C** plug-in cards, 3595 4U USB S-Net, 3595 9X Ethernet S-Net Interfaces.

Supports multiple S-Nets on a single PC using multiple 3595 4U **USB** S-Net interfaces

Interrogation of IMP S-Net network for module and reading of configuration from S-Net

Slow and fast acquisition speeds

Integration time

Temperature result setting

Diagnostic channels and debug output for monitoring S-Net communications

Full traceability of all configuration changes to IMP OPC server

Dynamic reconfiguration of IMP channels. Support for 3595 1A/1B/1C/1D/

Gauge

Output

1E/1H/1J and 2A IMP module types and all associated measurement modes. • 35951A IMP - 20 Channel Analog FET • 35951B IMP - 10 Channel Strain • 35951C IMP - 20 Channel Analog Reed Relay • 35951C1 IMP - 20 Channel Analog Reed Relay 35951D IMP - 4 Channel Analog • 35951E IMP - 20 Channel 500 Volt Isolation • 35951H IMP - 20 Channel Universal Ele Eds Vew Control Help • 35951Q1 IMP - 20 Channel Universal • 35951J IMP - 20 Channel Universal with 500 Volt Isolation

• 35952A IMP - 20 Channel Digital Input/Outputs • 35952B IMP - 32 Channel Digital Event and Status Input/Outputs

Ambient or external temperature reference

Measurement modes

Thermocouple checking

Event logging to RTM compatible text files



Key Benefits

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Also available from Measuresoft:

3595-4U SNET-USB Interface

The 3595-4U Interface provides the capability for any computer to communicate with IMPS SNET via USB connection.

3595-4C PCI Interface Card The 3595-4C PCI Interface allows a PC, with a

PCI expansion slot to communicate with the SNET system.

IMP Replacements

Measuresoft offer new IMP Modules. The current selection includes the 3595 1C1 which replaces the 3595 1C - 20 Channel Analogue Reed Relay and the 3595 1Q1 which replaces the 3595 1Q1. Measuresoft also supplies the 35951H IMP -20 Channel Universal and which can perform the measurement modes other than strain gauge of the 3595 1B.



IMP Type	3595	3595	3595	3595	3595	3595
	1A	1B	1C/1E	1D	1H/1J 2	2A
No. Channels	20	10	20	4	18 2	20
Volts dc	1	1	1		1	
Resistance		1			1	
Current dc	1		1		1	
Thermocouple	1		I.		1	
PRT (RTD)		L			1	
Strain		1	-	1		
Status					1	1
Frequency					1	1
Period			-		1	1
Events						1
Counts					1	1
Digital O/P					1	1
Current O/P				1		
Voltage O/P				1		

a 3595 1A Solid State CMOS	e 3595 1C Reed relay	3595 1E Reed relay		3595 1B Idd State CMOS	Volt	1D
14V max Between inputs	200V max Between inputs	SOOV max Between inputs	8	4V max etween inputs	500 Bet	
Each IMP has: 20 channels of 3 po DC Volts: DC Current: Thermocouple liner	Ne switching ± 12V 0 to 20mA (with 100Ω s isation: types B.E.J.K.N.T.		Each IMP has: 10 channels of 6 DC Volts: Strain: Resistance:	5 pole switching ±2V %, % & full bridge 0 to 2.5K0	Each IMP has: 4 channels Volts out: Resolution: Current out:	





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