

Interfacing MIT525, MIT1025 to PowerDB

Enable the latest driver for the MIT525, MIT1025 to be found via the internet or load the version supplied on the product CD if the PC being used has no access to the internet. The instrument does not need to be powered up to respond to the driver as it is powered via the USB cable.

Load PowerDB Lite software from the product CD, this may take several minutes. Run up PowerDB Lite software by clicking the PowerDB Lite icon on your desktop.

Select the **MIT-525/1025** soft button from the window entitled, "**Select An Instrument**" to get to the **Instrument Configuration** window.

Select An Instrument									
Insulation	Transformers	Battery	Relay						
S1-5005 / BM-25	TTR-550503	BITE2	PULSAR						
MEG-10	TTR-3xx	BITE3	MPRT / SMRT						
S1-552	MCT-16xx	TORKEL	SVERKER						
S1-1052	MT0-210	OI	Breaker OCR-xxxx						
S1-1054 / S1-554	MTD-3XX	OTS60PB	ODEN						
\$1-5010	Power Factor	Meter	Microhmmeter						
MIT-520	DELTA 2000	PMM-1	DLRO						
MIT-1020	DELTA 3000	Earth							
MIT-525/1025	DELTA 4000	DET-xxx							
Select the Instrument to begin testing For technical sunnot call 1-214-333-3201 1-800-723-2861 x3519 or +44 1304 502102									
Open Existing Results File Cancel									

Click the **Device Manager** button and verify that a serial port has been allocated to the instrument:

 Expand the 'Ports (COM & LPT)' section by clicking the associated '+' box in the Device Manager window. One serial port should be allocated to 'Megger Device (COMxx)' where xx is the port number.

Ensure that port number xx is allocated correctly in the in PowerDB, Instrument Configuration window. Now click the OK to complete configuration.

 Instrument Configuration

 Instrument Use:
 Megohrmeter

 Manufacture:
 AVD / Megger

 Model/Type/Series:
 Instation Tester

 Supported Model:
 S1552, 51-1052, 51-1054 / S1554, MEG10, MIT1020, MIT520, S15005 / BM25, S1

 Model
 MIT525/1025

 Serial Port:
 1

 Baud Riste:
 B9400

 Device Manager
 Parity:

 Note that USB serial ports can be identified by viewing the serial port Est, plugging in the USB port and then hitting the Refresh buton. The USB port will be the only new Xem in the Est.

 OK
 Cancel

Select the required test mode from the **Select a Form** window and click OK to continue.

S	elect a Form 🛛 🔀
	CABLES 13000 - CABLE PI TEST GENERATORS 13275 - GENERATOR PI TEST MISCELLANEOUS 60000 - PI TEST 60000 - RAMP TEST 60100 - RAMP TEST 60100 - RAMP TEST 60100 - RAMP TEST 80100 - NACHINERY 32000 - MOTOR PI TEST 32400 - SYNCH MOTOR PI TEST 32400 - SYNCH MOTOR PI TEST 32450 - SYNCH MOTOR PI TEST 3250 - DITATING MACHINERY STEP VOLTAGE TRANSFORMERS 56600 - TRANSFORMER PI TEST
	OK Cancel

After the form loads, click the 'zap' icon on the toolbar to initialise the instrument. An 'OK' confirmation appears at the top of the form if communications have been successful.



Scroll down until you see a table with cyan filled headers. RIGHT CLICK once on one of the cyan coloured areas to activate the **MIT 525/1025 Logger** application. The cyan filled cells represent phases.

TEMPERATURE 20 °C				•C	TEMPERATURE CORRECTION FACTOR TO 20 °C, TCF 1.00 ← ENTER TCF								F	
Die	Display Every <u>0.1</u> Minutes or <u>0.1</u> % IR Change or <u>10</u> Deltau Amps													
	SELECT DEVICE													
A				В				C						
TIME (minutes)	Volts (KV)	READING (megohms)	TEMP CORR. (megohms)	CURRENT uA	TIME (minutes)	Volts (KV)	READING (megohms)	TEMP CORR. (megohms)	CURRENT uA	TIME (minutes)	Volts (KV)	READING (megohms)	TEMP CORR. (megohms)	CURRENT uA

The logging application captures results saved in the instrument using the **Start Importing Results** function, or captures live streaming data directly by activating the **Start New Live Streaming** function.

MIT 525/1025 Logger 🔀										
Selected Test Name		-	fest Date/Time	Test Info						
Test Type										
Time Actual Volt	age Current (nA)	Resistance (MOh	ms) Valid							
Start New Live Stream	Start Importing Results	Save Selected To Form	Go Back to Form)		Delete Selected				
Stop Live Stream Stop Importing Results		Copy Results to Clipboard	Delete Selected Data)	Delete All					
X Data Time (Secs)	Y Data Current		Points Supress	Popup Help	Simulation	n Mode				

Other functions include:

- Save Selected To Form save a selected test in top right hand menu to the form in the table. Typically three tables are available in the PowerDB form representing three phases named A, B and C. Tests from the Logger can be saved in any form by exiting the logger (Go Back To Form), right clicking the require phase in the form and selecting to Save Selected To Form from the logger
- Copy Results to Clipboard function facilitates a copy of all data to Excel and other popular software.