

Model 50xx LabVIEW Driver

Overview:

Manufacturer:	AEMC / Chauvin Arnoux Inc.
Instrument Type:	Megohmmeter
Models Tested:	5060 & 5070
Supported Versions:	LabVIEW 2014
Interface Type:	Serial
Driver Revision:	1.1
Original Release Date:	04/28/2015
Current Revision Date:	05/26/2015

Driver Details:

Configuration Functions

- Configure Test—configures measurement mode and test voltage. The supported measurement modes are:
 - Manual—the test is terminated manually by the user.
 - DD—insulation is charged for the Measurement Duration configured into the instrument and followed by a one minute DD test.
 - DAR—the test is terminated after the one minute DAR test is complete.
 - PI—the test is terminated after the ten minute PI test is complete.

Data Functions

- Identify—reads instrument name, serial number, and firmware version
- Read Resistance Data—reads voltage, current, resistance, capacitance, DAR, PI, DD, and I_{DD}

Utility Functions

- Start/Stop Test—starts or stops a test
- Enable/Disable Alarm—enables or disables alarm feature

Action/Status Functions

- Status—reads the measurement status of the instrument.

Revision History:

Version	Date	Description
1.0	04/28/2015	Original Release
1.1	05/26/2015	Added status VI, improved continuous resistance example, added baud rate control, and removed dielectric discharge example.