

Format Specification for Generic Power Meter Files

Generic power meter configuration files are used to configure the EMC32 power meter driver in order to enable it to remotely control a power meter for which no dedicated driver exists via its GPIB bus interface. Two example files RsNrvd.DeviceConfiguration and Fluke.DeviceConfiguration are available from the EMC32 installation CD-ROM. Please refer to them or the example listing below for further clarification of the format specification.

Listing of DemoPowerMeter.DeviceConfiguration :

```
[FileInfo]
Autor=Rohde&Schwarz
Version=1.00
MeasClass=0
Start=0.0
Stop=0.0
Description=GenericPowerMeter
[General]
;Indicates that this file is for GenericPowerMeter Driver
;ATTENTION ! Do not modify the next line !!
Driver=GenericPowerMeter
;
;From here on lines may be modified
;
DeviceVersion=1.5
Miscellaneous=My private PM
[GpibSettings]
;1=CR 2=NL 3=CR+NL
EOITermination=1
GpibTimeout=1000
;GPIB strings can have leading characters:
; @n@ wait n milliseconds after this command
[Initialize]
;Reset on system start, count may be > 1
Count=1
GpibLine1=@1000@*RST;;HEADER OFF
[Identify]
;Identification Query, count must be 0 or 1
Count=1
GpibLine1=*IDN?
GpibResponse1=MyPowerMeter
[Channel]
;Command for setting the measurement channel (only for multi-channel devices)
;count may be > 1
Count=1
GpibLine1=:INPUT 1
[Unit]
;Command for setting measurement unit to dBm, count may be > 1
Count=1
GpibLine1=:SENS:UNIT DBM
[Speed]
;Command for setting the measurement speed, one of the four entries is selected
Count=4
;Line1=AUTO
GpibLine1=:SENS:FILT:AUTO ON
;Line2=FAST
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GpibLine2=:SENS:FILT:AUTO OFF;:SENS:FILT 2
;Line3=NORMAL
GpibLine3=:SENS:FILT:AUTO OFF;:SENS:FILT 4
;Line4=SLOW
GpibLine4=:SENS:FILT:AUTO OFF;:SENS:FILT 6
[Zero]
;Command for performing a zeroing, count must be 0 or 1
Count=1
GpibLine1=@1000@:ZERO1
[Trigger]
;Command for triggering a measurement, count may be > 1
Count=1
GpibLine1=*TRG
[Measure]
;Measurement Query, count must be 0 or 1, offset for header is 3 characters
Count=1
GpibLine1=:SENS1:DATA?
HeaderOffset=3