ADDENDUM

This information applies only to the PM-1100 Optical Power Meter user guide.

GPIB Commands and Queries

- The FORM:READ:DATA? query does not exist.
- The MMEM:ACQ:DATA:RECA:VALUE? query should be defined as follows:

MMEMory:ACQuisition:DATA:RECAll:VALUE?

Description	This query returns the measurement saved in the <data> memory location.
Syntax	MMEM:ACQ:DATA:RECA:VALUE?<space><data>
Parameters	The <data> parameter represents the memory location where measurement data is stored (out of the 1024 available).
Response	Measurement data saved in the specified memory location in the "±999.999E±99" format.
Notes	➤ Use the MMEM:ACQ:DATA:RECA:UNIT? query to get the corresponding measurement units. ➤ Use the MMEM:ACQ:DATA:RECA:WAVE? query to get the wavelength at which the measurement was taken.
Example	MMEM:ACQ:DATA:RECA:VALUE? 1021

➤ The MMEM:ACQ:DATA:RECA:WAV? query should be named and defined as follows:

MMEMory:ACQuisition:DATA:RECAll:WAVElength?

Description This query returns the wavelength corresponding to the last value fetched with the MMEM:ACQ:DATA:RECA:VALUE? query.

Syntax MMEM:ACQ:DATA:RECA:WAVE?

Response A wavelength in the “9999 nm” format.

Notes
- ➤ Use the MMEM:ACQ:DATA:RECA:UNIT? query to get the corresponding measurement units.
- ➤ Use the MMEM:ACQ:DATA:RECA:WAVE? query to get the wavelength at which the measurement was taken.

Example MMEM:ACQ:DATA:RECA:WAVE?

➤ The MMEM:ACQ:SAMP command should be defined as follows:

MMEMory:ACQuisition:SAMPles

Description This command changes the samples parameter for the acquisition setup.

Syntax MMEM:ACQ:SAMP<space><samples>

Parameters The <samples> parameter is the number of samples to be set for the acquisition setup. If an invalid parameter is entered, the closest valid parameter will be entered instead.

Note The duration of the acquisition directly affects the values that can be set for the number of samples

D x R = S

where

- ➤ D = duration parameter set with the MMEM:ACQ:DURA command (in seconds)
- ➤ R = any of the possible sampling rates in seconds^{-1} (get the complete list with the SENS:FREQ:CATA? query)
- ➤ S = valid number of samples (MUST be an integer)

Example MMEM:ACQ:SAMP 200

➤ The SENS:FREQ:CAT? query should be named and defined as follows:

SENSitivity:FREQuency:CATAlog?	
Description	This query returns a list of available sampling rates.
Syntax	SENS:FREQ:CATA?
Response	List of available sampling rates in the “40.0;20.0;10.0;5.0;1.0;0.5;0.1” format.
Example	SENS:FREQ:CATA?

➤ The SENS:POW:WAV command should be named and defined as follows:

SENSitivity:POWer:WAVElength	
Description	This command selects a new operating wavelength.
Syntax	SENS:POW:WAVE<space><numeric_value> [<space>NM]
Parameters	The <numeric_value> is an operating wavelength expressed in nanometers (nm). Any wavelength within the spectral range of the optical detector (at 1 nm resolution) may be selected. See the section on optical specifications in the user guide for the exact spectral range of each detector type.
Example	SENS:POW:WAVE 1310

➤ The SENS:POW:WAV? query should be named and defined as follows:

SENSitivity:POWer:WAVElength?	
Description	This query returns the currently selected calibrated wavelength.
Syntax	SENS:POW:WAVE?
Response	The current wavelength in nanometers (nm) in the “9999 nm” format.
Example	SENS:POW:WAVE?

➤ The UNIT:POW command should be named and defined as follows:

UNIT:POWer

Description This command changes the measurement display units.

Syntax UNIT:POW<space><units>

Parameters The <units> parameter can be

- ➤ W: measured value displayed in watts (pw, nw, μw, or mw)
- ➤ DBM: measured value displayed in dBm
- ➤ DB: measured value displayed in dB relative to the current reference
- ➤ DW: measured value displayed in watts relative to the current reference

Example UNIT:POW DBM

➤ The Quick Reference Command Tree should be modified as follows to reflect changes in GPIB commands:

Command					Parameter/ Response	Description
MMEM	ACQ	DATA	RECA	VALUE?	(0 to 1025)	Get acquired measurement
				WAVE?	(9999 nm)	Get wavelength
SENS	FREQ	CATA?			(99.9;99.9;...)	List sampling rates
	POW	WAVE			<9999> [NM]	Set wavelength
		WAVE?			(9999 nm)	Get wavelength
UNIT	POW				<W|DB|DBM|DW>	Set display unit