PM2 Modbus Registers

The following registers can be accessed (either read only or read/write) over RS485.

Note: "32-bit FLOAT" indicates the field that is returned is a 32-bit single-precision binary floating point number following the formatting of IEEE 754.

		Register Descriptions			
Register Nr	**Register Address**	**Name**	**Description**	**Data Format**	**Read/Write**
1	1	FIRMWARE_VERSION	Version number of the PM2 firmware	Four Bytes	**R**
2	3	SERIAL[0]	Serial Nr used as unique ID. Low 4 Bytes.	Four 8-bit characters	**R**
3	5	SERIAL[1]	Serial Nr used as unique ID. Mid 4 Bytes.	Four 8-bit characters	**R**
4	7	SERIAL[2]	Serial Nr used as unique ID. High 4 Bytes.	Four 8-bit characters	**R**
5	9	Wavelength Mask	Bit0 <=> 260nm Bit1 <=> 280nm Bit2 <=> 300nm Bit3 <=> 880nm	32-bit INT	**R**
6	11	AU Channel 1	Absorbance Units measured on Channel1	32-bit FLOAT	**R**
7	13	AU Channel 2	Absorbance Units measured on Channel2	32-bit FLOAT	**R**
8	15	Alarm Mask	Bit0: Meas. Detector Saturation. Bit1: Meas. Dark Detector Saturation. Bit2: Ref. Detector Saturation. Bit3: Ref. Dark Detector Saturation.	32-bit INT	**R**
9	17	Tare Mask	Bit0: Initiate Tare Bit1: Tare Done 1.) Master sets Bit0 to 1 to initiate a Tare. 2.) Slave accepts the Tare by clearing Bit0 and setting Bit1 to 1 when done. 3.) Master clears Bit1 to complete the handshake.	16-bit INT	**R/W**