## PM6304 PROGRAMMABLE AUTOMATIC RCL METER DC-100kHz

## Programming Card 4822 872 10168 951111

IEEE-488 INTERFACE			RS-232 INTERFACE					
AH1 SH1 L4	acceptor handshake source handshake listener function		to PC SIGNAL	9 pin (female) PIN RS-232 cable 1 o n.c.		16306 SIGNAL	9 pin (female)	
T6 RL1	talker function local/remote with local lockout		RxD TxD	3 0		TxD	Received Data Transmitted Data	
SR1 DC1	service request (SRQ) device clear		DTR GND	5 0		GND	Data Terminal Ready Signal Ground	
DT1 PPO CO E2	device trigger no parallel poll no controller function tri-state drivers		DSR RTS CTS	7°		DSR RTS CTS	Data Set Ready Request To Send Clear To Send	
Addresses: 1 to 30			9 o n.c. n.c. o 9  Baud rate: 110, 150, 300, 600, 1200, 2400, 4800, 9600, 19200  Data bits: 7 or 8  Parity: odd, even or no Hardware connection: 3 or 7 wires  N.c. o 9  Stop bits: 1 (2 for 110 baud only)  Xon/Xoff handshake: on or off Hardware handshake: DSR/DTR or CTS/RTS					
Special Interface Functions Common Commands and Queries in Accordance with IEEE-488.2								
IEEE-4 GTL GTR DCL LLO *STB? DTR	488 go to local go to remote control device clear local lockout read status byte query device trigger	RS-232 ESC 1 ESC 2 ESC 4 ESC 5 ESC 7 ESC 8	*ESE	Clear Status Command Event Status Register Enable Standard Event Status Registe dentification Query Learn Mode Deration Complete Comman Recall Command	er Query	*RST *SAV *SRE *STB? *TRG *TST? *WAI	Reset Command Save Command Service Request Enable Read Status Byte Trigger Command Selftest Query Wait-to-Continue	



## **Device Specific Commands**

Normal operat	ion:	Binning:			
MODE? AUTO SER	asks for measurement mode automatic measurement mode sets series measurement mode	TEST_SIG? TEST_SIG AC TEST_SIG DC	asks for test signal AC test signal DC test signal	BIN ON BIN OFF	binning mode on normal measurement mode
PARAL PARAM? PARAM QUA	sets parallel measurement mode asks for selected parameter quality factor is displayed	COM?	asks for dominant/secondary parameter	BIN BIN?	allocates data to selected bin asks for the bin the component is allocated to
PARAM DISS PARAM PHA PARAM IMP PARAM VOL	dissipation factor is displayed phase angle is displayed impedance is displayed voltage is displayed	RESI? CAP? INDU? IMP?	asks for resistance value asks for capacitance value asks for inductance value	BIN_ENABLE BIN_SET?	disables selected bin enables selected bin asks for selected bin set
PARAM CUR PARAM AUTO	current is displayed switches to measurement mode selected before	QUAL? DISS?	asks for impedance value asks for quality factor value asks for dissipation factor value	BUF_BIN? BUF_CLR BIN ERA	asks for the selected bin from the buffer for editing deletes buffer for editing deletes selected bin set
FRE FRE?	sets test signal frequency asks for test signal frequency	PHA? VOL? CUR?	asks for phase angle value asks for measured voltage asks for measured current	BIN_STO BIN_RCL	stores bin set loads bin set into register 0 for binning
LEV? LEV LO	asks for test signal voltage test signal 50 mV AC or 300 mV DC	TRIM	open/short-circuit trimming continuous measurements	BUF_RCL BIN_ABS BIN_REL	loads bin set into buffer for editing input of absolute value nominal value, tolerance in %
LEV HI LEV NO	test signal 2 V test signal 1 V	SIN TRIG	single measurement starts single measurement	RESI <nrf></nrf>	resistances, nominal capacitances, nominal
DC_BIAS? DC_BIAS OFF DC_BIAS INT DC_BIAS EXT	asks for DC bias DC bias off DC bias internal DC bias external	MEA_FAST? MEA_FAST ON MEA_FAST OFF	asks for fast measurement fast measurement on fast measurement off	INDU <nrf> IMP <nrf> QUAL<nrf></nrf></nrf></nrf>	inductances, nominal impedances, nominal quality factor, normal
AVG? AVG ON	asks for averaging increased averaging	RNG_HOLD? RNG_HOLD ON RNG_HOLD OFF	asks for hold function gain factor is fixed internal gain factor is		dissipation factor, nominal phase angle, nominal solute values skip <nrf> numeric representation, 11000.0 or RESI 1.0E3 for 1 kOhms</nrf>
AVG OFF	normal averaging	ERR?	automatically determined asks for error message	LIM_HI LIM_LO	upper limit lower limit