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Find the *Fluke PM6304/023* at our website: *Click HERE*

Device Specific Commands

Normal operation:

MODE?	asks for measurement mode
AUTO	automatic measurement mode
SER	sets series measurement mode
PARAL	sets parallel measurement mode
PARAM?	asks for selected parameter
PARAM QUA	quality factor is displayed
PARAM DISS	dissipation factor is displayed
PARAM PHA	phase angle is displayed
PARAM IMP	impedance is displayed
PARAM VOL	voltage is displayed
PARAM CUR	current is displayed
PARAM AUTO	switches to measurement mode selected before
FRE	sets test signal frequency
FRE?	asks for test signal frequency
LEV?	asks for test signal voltage
LEV LO	test signal 50 mV AC or 300 mV DC
LEV HI	test signal 2 V
LEV NO	test signal 1 V
DC_BIAS?	asks for DC bias
DC_BIAS OFF	DC bias off
DC_BIAS INT	DC bias internal
DC_BIAS EXT	DC bias external
AVG?	asks for averaging
AVG ON	increased averaging
AVG OFF	normal averaging
TEST_SIG?	asks for test signal
TEST_SIG AC	AC test signal
TEST_SIG DC	DC test signal
COM?	asks for dominant/secondary parameter
RESI?	asks for resistance value
CAP?	asks for capacitance value
INDU?	asks for inductance value
IMP?	asks for impedance value
QUAL?	asks for quality factor value
DISS?	asks for dissipation factor value
PHA?	asks for phase angle value
VOL?	asks for measured voltage
CUR?	asks for measured current
TRIM	open/short-circuit trimming
CON	continuous measurements
SIN	single measurement
TRIG	starts single measurement
MEA_FAST?	asks for fast measurement
MEA_FAST ON	fast measurement on
MEA_FAST OFF	fast measurement off
RNG_HOLD?	asks for hold function
RNG_HOLD ON	gain factor is fixed
RNG_HOLD OFF	internal gain factor is automatically determined
ERR?	asks for error message

Binning:

BIN ON	binning mode on
BIN OFF	normal measurement mode
BIN	allocates data to selected bin
BIN?	asks for the bin the component is allocated to
BIN_DISABLE	disables selected bin
BIN_ENABLE	enables selected bin
BIN_SET?	asks for selected bin set
BUF_BIN?	asks for the selected bin from the buffer for editing
BUF_CLR	deletes buffer for editing
BIN_ERA	deletes selected bin set
BIN_STO	stores bin set
BIN_RCL	loads bin set into register 0 for binning
BUF_RCL	loads bin set into buffer for editing
BIN_ABS	input of absolute value
BIN_REL	nominal value, tolerance in %
RESI <NRf>	resistances, nominal
CAP <NRf>	capacitances, nominal
INDU <NRf>	inductances, nominal
IMP <NRf>	impedances, nominal
QUAL<NRf>	quality factor, normal
DISS <NRf>	dissipation factor, nominal
PHA <NRf>	phase angle, nominal

for input of absolute values skip <NRf>
<NRf> means flexible numeric representation,
e.g. RESI 1000 or RESI 1000.0 or RESI 1.0E3 for 1 kOhms

LIM_HI	upper limit
LIM_LO	lower limit

PM6304 PROGRAMMABLE AUTOMATIC RCL METER DC-100kHz — *Programming Card*

4822 872 10168
951111

IEEE-488 INTERFACE

AH1	acceptor handshake
SH1	source handshake
L4	listener function
T6	talker function
RL1	local/remote with local lockout
SR1	service request (SRQ)
DC1	device clear
DT1	device trigger
PPO	no parallel poll
CO	no controller function
E2	tri-state drivers

Addresses: 1 to 30

RS-232 INTERFACE

to PC	9 pin (female)	**RS-232 cable**	**to PM6306**	9 pin (female)	
SIGNAL	PIN		PIN	SIGNAL	
	1 o n.c.		n.c. o 1		
RxD	2 o		o 2	RxD	Received Data
TxD	3 o		o 3	TxD	Transmitted Data
DTR	4 o		o 4	DTR	Data Terminal Ready
GND	5 o		o 5	GND	Signal Ground
DSR	6 o		o 6	DSR	Data Set Ready
RTS	7 o		o 7	RTS	Request To Send
CTS	8 o		o 8	CTS	Clear To Send
	9 o n.c.		n.c. o 9		

Baud rate: 110, 150, 300, 600, 1200, 2400, 4800, 9600, 19200
Data bits: 7 or 8 — **Stop bits:** 1 (2 for 110 baud only)
Parity: odd, even or no — **Xon/Xoff handshake:** on or off
Hardware connection: 3 or 7 wires — **Hardware handshake:** DSR/DTR or CTS/RTS

Special Interface Functions

IEEE-488		RS-232
GTL	go to local	**ESC 1**
GTR	go to remote control	**ESC 2**
DCL	device clear	**ESC 4**
LLO	local lockout	**ESC 5**
⋆STB?	read status byte query	**ESC 7**
DTR	device trigger	**ESC 8**

Common Commands and Queries in Accordance with IEEE-488.2

⋆CLS	Clear Status Command	**⋆RST**	Reset Command
⋆ESE	Event Status Register Enable	**⋆SAV**	Save Command
⋆ESR?	Standard Event Status Register Query	**⋆SRE**	Service Request Enable
⋆IDN?	Identification Query	**⋆STB?**	Read Status Byte
⋆LRN?	Learn Mode	**⋆TRG**	Trigger Command
⋆OPC	Operation Complete Command	**⋆TST?**	Selftest Query
⋆RCL	Recall Command	**⋆WAI**	Wait-to-Continue

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