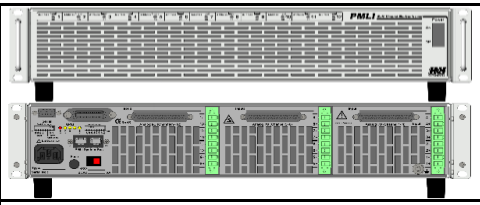
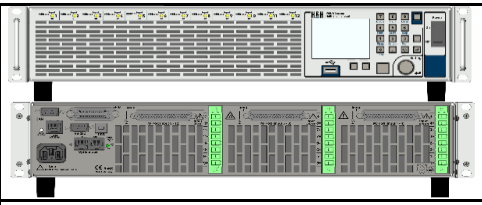
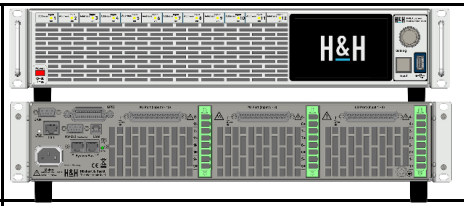
Multi-Channel Electronic Loads

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Höcherl & Hackl
The electronic load

Use the user manuals to analyze the detailed differences between PMLI and PMLA series.
Find your device's production series in the serial number on the ID label: e.g. 12345C-0325 is production series C.

Rev. 05
15.10.2025

			
Manufacturer	**H&H**	**H&H**	**H&H**
Series	**PMLI**	**PMLA Production Series C**	**PMLA Production Series D**
Continuous power max./device	1800 W	1800 W	1800 W
Continuous power max./channel	600 W	600 W	600 W
Power classes	150 W, 300 W, 450 W, 600 W	150 W, 300 W, 450 W, 600 W	150 W, 300 W, 450 W, 600 W
Voltage classes	40 V, 60 V, 120 V, 240 V	40 V, 60 V, 120 V, 240 V	40 V, 60 V, 120 V, 240 V
No of different modules total	16	28	28
Op. modes	C, V, R, P	C, V, R, P	C, V, R, P
Min. input voltage Umin for Imax	1.4 V	1 V	1 V
Input capacity	ca. 1 µF/150 W	ca. 1 µF/150 W	ca. 1 µF/150 W
Operating temperature	5 ... 40 °C	5 ... 40 °C	5 ... 40 °C
Power derating	-1.2 %/°C for Ta > 21 °C	-1.2 %/°C for Ta > 21 °C	-1.2 %/°C for Ta > 21 °C
System composition			
Max. channel count per device	12	12	12
Max. channel count per system	120	72	96
Max. device count per system	10	6	8
Voltage setting			
Accuracy	software control, accuracy depends on voltage and current measuring accuracy and current setting accuracy	hardware control 0.1 % of setting 0.1 % of range	hardware control 0.1 % of setting 0.1 % of range
Resolution	12 bits	12 bits	12 bits
Current setting			
Accuracy	0.25 % of setting 0.15 % of range	0.1 ... 0.25 % of setting (model-dependent) 0.1 % of range	0.1 ... 0.25 % of setting (model-dependent) 0.1 % of range
Resolution	12 bits	12 bits	12 bits

Resistance setting			
Accuracy	software control, accuracy depends on voltage and current measuring accuracy and current setting accuracy	software control 1.4 % of setting 0.3 % of current range	software control 1.4 ... 2.8 % of setting (model-dependent) 0.3 % of current range
Resolution	12 bits	12 bits	12 bits
Power setting			
Accuracy	software control, accuracy depends on voltage and current measuring accuracy and current setting accuracy	0.7 % of setting (V and I > 10 % of range) 2 % of setting (V or I 5 ... 10 % of range)	0.7 % of setting (V and I > 10 % of range) 2 % of setting (V or I 5 ... 10 % of range)
Resolution	12 bits	12 bits	12 bits
Protections			
Hardware protections and warnings	OPP, OTP	OCP, OPP, OTP, UV, RV, OV	OCP, OPP, OTP, UV, RV, OV
Variable regulating protections	U, I	U, I	U, I
Measurement			
Display	no	4 digits	4 digits
ADC resolution	12 bits	16 bits	16 bits
Acquisition function			
Time resolution	n.a.	1 ms	0.2 ms
Memory depth	n.a.	100 data points	500 data points
Dynamic function			
Current rise and fall time (10 ... 90 % Imax)	300 µs	300 µs	300 µs
Number of dynamic settings	2 currents with 2 dwell times (PCYCLE)	100 list points with ramp and dwell times (LIST)	100 list points with ramp and dwell times (LIST)
Time resolution	2 ms	1 ms	0.2 ms
Synchronuous Acquisition	no	no	yes
Watchdog function	yes	yes	yes
X/Y characteristic	no	no	no
Discharge function	no	yes (from FW 1.2.0)	yes
MPP tracking	no	yes (from FW 1.5.0)	yes
Binary block transfer	no	no	yes
Data acquisition to USB	no	no	no
Save/recall settings	no	10 memories	10 memories
Trigger system	yes, only for setting values, trg source only bus	yes, for setting values, input state and list function state, trg source only bus	yes, for setting values, input state and list function state, trg source only bus, trigger delay
SyncroLink	no	no	yes
Group addressing	yes	yes	yes
Name assignment for channels and groups	no	yes	yes
Permissible potentials of load inputs	±100 V (DC or AC) to PE	±100 V (DC or AC) to PE	±40 V (DC or AC) to PE

I/O port	standard, not isolated	standard, not isolated	standard, not isolated
Analog control	0 ... 10 V	0 ... 10 V	0 ... 10 V
Ext. setting control	0 ... 10V for 0 ... Imax ext. controlled current is added to internally programmed current of corresponding channel	0 ... 10V for 0 ... Imax 0 ... 10V for 0 ... Vmax	0 ... 10V for 0 ... Imax 0 ... 10V for 0 ... Vmax
Setting sampling rate, resolution	analog/real time	analog/real time	analog/real time
Protections control	no	no	no
Monitor signals	I, V	I, V	I, V
Monitor sampling rate	analog/real time	analog/real time	analog/real time
Sense	yes	yes	yes
Digital control signals (inputs)	none	load on-off	load on-off
Digital outputs	none	none	none
Permissible potential of GNDs at I/O port	max. ±2 V (DC or AC) to Input -	max. ±2 V (DC or AC) to Input -	max. ±2 V (DC or AC) to Input -
Data interfaces master			
	USB standard	USB standard	USB standard
	RS-232 standard	RS-232 standard	RS-232 standard
		CAN optional	CAN standard
		Ethernet standard	Ethernet standard
	GPIB standard	GPIB optional	GPIB optional
SCPI syntax	yes	yes	yes
LabVIEW drivers	yes, NI certified	yes, NI certified	yes, NI certified
Software tools	yes	yes	yes
Firmware update	via RS-232 interface and flashing tool	via USB MSD (front)	via USB MSD (front)
User interface			
Display	no	Graphical user interface	Graphical 4.3" touch user interface
Keyboard	no	Silicon keypad incl. numeric keyboard	Load input on/off
Rotary encoder	no	yes, with Enter function	yes, with Enter function
Sense measurement	yes	yes	yes
Master-slave operation	no	analog	analog
Safety compliance	DIN EN 61010-1 DIN EN 61010-2-030	DIN EN 61010-1 DIN EN 61010-2-030	DIN EN 61010-1 DIN EN 61010-2-030
EMC compliance	DIN EN 61326-1 DIN EN 55011 DIN EN 61000-3-2 DIN EN 61000-3-3	DIN EN 61326-1 DIN EN 55011 DIN EN 61000-3-2 DIN EN 61000-3-3	DIN EN 61326-1 DIN EN 55011 DIN EN 61000-3-2 DIN EN 61000-3-3
Calibration	H&H calibration service twice for free	H&H calibration service twice for free	H&H calibration service twice for free

n. a. = not available

PMLI (discontinued)	**PMLA**	**Remark**
Common Commands		
*CLS	*CLS	
*ESE	*ESE	
*ESE?	*ESE?	
*ESR?	*ESR?	
*IDN?	*IDN?	
n. a.	*OPC	
n. a.	*OPC?	
n. a.	*OPT?	
n. a.	*RCL	
*RST	*RST	
n. a.	*SAV	
*SRE	*SRE	PMLI generates no service request, independent from the set register value.
*SRE?	*SRE?	
*STB?	*STB?	
*TRG	*TRG	PMLI's trigger system needs no initiation (INITiate) before being used.
n. a.	*TST?	
n. a.	*WAI	
Device-Dependent Commands		
Subsystem ACQuisition		
n. a.	ACQuisition[:STATe]	
n. a.	ACQuisition[:STATe]?	
n. a.	ACQuisition[:STATe]:TRIGgered	
n. a.	ACQuisition[:STATe]:TRIGgered?	
n. a.	ACQuisition:CONTinuous	
n. a.	ACQuisition:CONTinuous?	
n. a.	ACQuisition:STIMe	
n. a.	ACQuisition:STIMe?	
Subsystem CHANnel		
n. a.	CHANnel:ADDRess	PMLI's channels address programming is done by SYSTem:PARameter command (parameter no. 1)
n. a.	CHANnel:ADDRess?	PMLI's address query is done by SYSTem:PARameter? query (parameter no. 1)
n. a.	CHANnel:CATalog?	
n. a.	CHANnel:COUNt?	
n. a.	CHANnel:FOCus	
n. a.	CHANnel:FOCus?	
n. a.	CHANnel:ID?	
n. a.	CHANnel:NAME	
n. a.	CHANnel:NAME?	
CHANnel INSTrument	CHANnel[:SELect]	No simultaneous selection of all channels possible at PMLA. No simultaneous selection of channels within an address range possible at PMLA.
n. a.	CHANnel[:SELect]?	
n. a.	CHANnel:GROup:MEMBers	
n. a.	CHANnel:GROup:NAME	
CHANnel:GROup INSTrument:GROup	CHANnel:GROup[:SELect]	
n. a.	CHANnel:GROup[:SELect]?	
Subsystem CURRent		
CURRent[:LEVel][:IMMediate]	CURRent[:LEVel][:IMMediate]	
CURRent[:LEVel][:IMMediate]?	CURRent[:LEVel][:IMMediate]?	
CURRent[:LEVel]:TRIGgered	CURRent[:LEVel]:TRIGgered	
CURRent[:LEVel]:TRIGgered?	CURRent[:LEVel]:TRIGgered?	
n. a.	CURRent:PROTection[:LEVel]	Overcurrent protection of PMLI is programmed by SYSTem:PARameter command (parameter no. 8).
n. a.	CURRent:PROTection[:LEVel]?	Overcurrent protection of PMLI is read by SYSTem:PARameter query (parameter no. 8).
Subsystem DATA		
n. a.	DATA:POINts?	
n. a.	DATA:REMove?	
Subsystem DISPlay		

n. a.	DISPlay:TEXT[:DATA]	
n. a.	DISPlay:TEXT[:DATA]?	
Subsystem FORMat		
n. a.	FORMat[:DATA]	
n. a.	FORMat[:DATA]?	
n. a.	FORMat:BORDer	from FW Rev. 1.6.0 (production series D)
n. a.	FORMat:BORDer?	from FW Rev. 1.6.0 (production series D)
n. a.	FORMat:SREGister	
n. a.	FORMat:SREGister?	
Subsystem FUNCtion		
n. a.	FUNCtion:DISCharge[:STATe]	from FW Rev. 1.2.0
n. a.	FUNCtion:DISCharge[:STATe]?	from FW Rev. 1.2.0
n. a.	FUNCtion:DISCharge:CHARge?	from FW Rev. 1.2.0
n. a.	FUNCtion:DISCharge:ENERgy?	from FW Rev. 1.2.0
n. a.	FUNCtion:DISCharge:STOP:CHARge	from FW Rev. 1.2.0
n. a.	FUNCtion:DISCharge:STOP:CHARge?	from FW Rev. 1.2.0
n. a.	FUNCtion:DISCharge:STOP:CURRent[:LEVel]	from FW Rev. 1.2.0
n. a.	FUNCtion:DISCharge:STOP:CURRent[:LEVel]?	from FW Rev. 1.2.0
n. a.	FUNCtion:DISCharge:STOP:ENABle	from FW Rev. 1.2.0
n. a.	FUNCtion:DISCharge:STOP:ENABle?	from FW Rev. 1.2.0
n. a.	FUNCtion:DISCharge:STOP:ENERgy	from FW Rev. 1.2.0
n. a.	FUNCtion:DISCharge:STOP:ENERgy?	from FW Rev. 1.2.0
n. a.	FUNCtion:DISCharge:STOP:EVENt?	from FW Rev. 1.2.0
n. a.	FUNCtion:DISCharge:STOP:TIME	from FW Rev. 1.2.0
n. a.	FUNCtion:DISCharge:STOP:TIME?	from FW Rev. 1.2.0
n. a.	FUNCtion:DISCharge:STOP:VOLTage[:LEVel]	from FW Rev. 1.2.0
n. a.	FUNCtion:DISCharge:STOP:VOLTage[:LEVel]?	from FW Rev. 1.2.0
n. a.	FUNCtion:DISCharge:TIME?	from FW Rev. 1.2.0
s. PMLI Subsystem MODE	FUNCtion:MODE	
s. PMLI Subsystem MODE	FUNCtion:MODE?	
n. a.	FUNCtion:MPPT[:STATe]	from FW Rev. 1.5.0
n. a.	FUNCtion:MPPT[:STATe]?	from FW Rev. 1.5.0
n. a.	FUNCtion:MPPT:ENERgy?	from FW Rev. 1.5.0
n. a.	FUNCtion:MPPT:MPP?	from FW Rev. 1.5.0
n. a.	FUNCtion:MPPT:SWEep[:IMMediate]	from FW Rev. 1.5.0
n. a.	FUNCtion:MPPT:SWEep:DATA?	from FW Rev. 1.5.0
n. a.	FUNCtion:MPPT:SWEep:DATA:POINt?	from FW Rev. 1.5.0
n. a.	FUNCtion:MPPT:SWEep:DIRection	from FW Rev. 1.5.0
n. a.	FUNCtion:MPPT:SWEep:DIRection?	from FW Rev. 1.5.0
n. a.	FUNCtion:MPPT:SWEep:PERiod	from FW Rev. 1.5.0
n. a.	FUNCtion:MPPT:SWEep:PERiod?	from FW Rev. 1.5.0
n. a.	FUNCtion:MPPT:SWEep:TIME	from FW Rev. 1.5.0
n. a.	FUNCtion:MPPT:SWEep:TIME?	from FW Rev. 1.5.0
n. a.	FUNCtion:MPPT:TIME?	from FW Rev. 1.5.0
n. a.	FUNCtion:PROTection[:STATe]	
n. a.	FUNCtion:PROTection[:STATe]?	
n. a.	FUNCtion:PROTection:MODE	
n. a.	FUNCtion:PROTection:MODE?	
s. PMLI Subsystem SYSTEM	FUNCtion:SPEed	
s. PMLI Subsystem SYSTEM	FUNCtion:SPEed?	
Subsystem INPut		
INPut[:STATe]	INPut[:STATe]	
INPut[:STATe]?	INPut[:STATe]?	
n. a.	INPut[:STATe]:TRIGgered	
n. a.	INPut[:STATe]:TRIGgered?	
s. PMLI Subsystem SYSTEM	INPut:WDOG:DELay	
s. PMLI Subsystem SYSTEM	INPut:WDOG:DELay?	
s. PMLI Subsystem SYSTEM	INPut:WDOG:RESet	
s. PMLI Subsystem SYSTEM	INPut:WDOG[:STATe]	
s. PMLI Subsystem SYSTEM	INPut:WDOG[:STATe]?	
Subsystem LIST		
n. a.	LIST[:STATe]	
n. a.	LIST[:STATe]?	
n. a.	LIST[:STATe]:TRIGgered	
n. a.	LIST[:STATe]:TRIGgered?	
n. a.	LIST:ACQuisition[:ENABle]	from FW Rev. 1.6.0 (production series D)
n. a.	LIST:ACQuisition[:ENABle]?	from FW Rev. 1.6.0 (production series D)
n. a.	LIST:COUNt	
n. a.	LIST:COUNt?	
n. a.	LIST:CURRent[:LEVel]	
n. a.	LIST:CURRent[:LEVel]?	
n. a.	LIST:CURRent[:LEVel]:POINts?	
n. a.	LIST:DWELl	
n. a.	LIST:DWELl?	

n. a.	LIST:DWELl:POINts?	
n. a.	LIST:MODE	
n. a.	LIST:MODE?	
n. a.	LIST:POWer[:LEVel]	
n. a.	LIST:POWer[:LEVel]?	
n. a.	LIST:POWer[:LEVel]:POINts?	
n. a.	LIST:RESistance[:LEVel]	
n. a.	LIST:RESistance[:LEVel]?	
n. a.	LIST:RESistance[:LEVel]:POINts?	
n. a.	LIST:RTIMe	
n. a.	LIST:RTIMe?	
n. a.	LIST:RTIMe:POINts?	
n. a.	LIST:STIMe:DWELl	from FW Rev. 1.6.0 (production series D)
n. a.	LIST:STIMe:DWELl?	from FW Rev. 1.6.0 (production series D)
n. a.	LIST:STIMe:DWELl:POINts?	from FW Rev. 1.6.0 (production series D)
n. a.	LIST:STIMe:RTIMe	from FW Rev. 1.6.0 (production series D)
n. a.	LIST:STIMe:RTIMe?	from FW Rev. 1.6.0 (production series D)
n. a.	LIST:STIMe:RTIMe:POINts?	from FW Rev. 1.6.0 (production series D)
n. a.	LIST:TIME?	from FW 1.4.0
n. a.	LIST:VOLTage[:LEVel]	
n. a.	LIST:VOLTage[:LEVel]?	
n. a.	LIST:VOLTage[:LEVel]:POINts?	
Subsystem MEASure		
MEASure:CURRent[:DC]?	MEASure:CURRent?	
MEASure:POWer[:DC]?	MEASure:POWer?	
MEASure:RESistance[:DC]?	MEASure:RESistance?	
n. a.	MEASure:TEMPerature?	
MEASure:VOLTage[:DC]?	MEASure:VOLTage?	
n. a.	MEASure:VOLTage:EXTernal?	
Subsystem MODE		
MODE:CURRent	FUNCtion:MODE	
MODE:POWer	FUNCtion:MODE	
MODE:RESistance	FUNCtion:MODE	
MODE:VOLTage	FUNCtion:MODE	
MODE?	FUNCtion:MODE?	
Subsystem PCYCle		
PCYCle:CURRent	n. a.	
PCYCle:POWer	n. a.	
PCYCle:RESistance	n. a.	
PCYCle:VOLTage	n. a.	
PCYCle:TIME	n. a.	
PCYCle:MODE	n. a.	
PCYCle:MODE?	n. a.	
PCYCle:STATe	n. a.	
PCYCle:STATe?	n. a.	
Subsystem POWer		
POWer[:LEVel][:IMMediate]	POWer[:LEVel][:IMMediate]	
POWer[:LEVel][:IMMediate]?	POWer[:LEVel][:IMMediate]?	
POWer[:LEVel]:TRIGgered	POWer[:LEVel]:TRIGgered	
POWer[:LEVel]:TRIGgered?	POWer[:LEVel]:TRIGgered?	
n. a.	POWer:PEAK?	
Subsystem RESistance		
RESistance[:LEVel][:IMMediate]	RESistance[:LEVel][:IMMediate]	
RESistance[:LEVel][:IMMediate]?	RESistance[:LEVel][:IMMediate]?	
RESistance[:LEVel]:TRIGgered	RESistance[:LEVel]:TRIGgered	
RESistance[:LEVel]:TRIGgered?	RESistance[:LEVel]:TRIGgered?	
Subsystem SERVice		
n. a.	SERVice:CALibration[:STATe]	At PMLI series access to the parameters for adjustment is activated by SYSTem:PARameter command (parameter no. 0).
n. a.	SERVice:CALibration[:STATe]?	
n. a.	SERVice:CALibration:EXTernal:HIGH	
n. a.	SERVice:CALibration:EXTernal:LOW	
n. a.	SERVice:CALibration:LEVel:HIGH	
n. a.	SERVice:CALibration:LEVel:LOW	
n. a.	SERVice:CALibration:MEASure:HIGH	
n. a.	SERVice:CALibration:MEASure:LOW	
n. a.	SERVice:CALibration:PROTection:HIGH	
n. a.	SERVice:CALibration:PROTection:LOW	
s. Subsystem SYSTEM	SERVice[:PARameter]:STRing	
s. Subsystem SYSTEM	SERVice[:PARameter]:STRing?	
s. Subsystem SYSTEM	SERVice[:PARameter]:VALue	
s. Subsystem SYSTEM	SERVice[:PARameter]:VALue?	

n. a.	SERVice:PRODuction[:STATe]	At PMLI series access to the production parameters is activated by SYSTem:PARameter command (parameter no. 0).
n. a.	SERVice:PRODuction[:STATe]?	
Subsystem SETTING		
n. a.	SETTing:EXTernal:ENABle	
n. a.	SETTing:EXTernal:ENABle?	
n. a.	SETTing:EXTernal[:STATe]	
n. a.	SETTing:EXTernal[:STATe]?	
Subsystem STATus		
n. a.	STATus:CHANnel:OPERation:CONDition?	
n. a.	STATus:CHANnel:OPERation:ENABle	
n. a.	STATus:CHANnel:OPERation:ENABle?	
n. a.	STATus:CHANnel:OPERation[:EVENt]?	
n. a.	STATus:CHANnel:PRESet	
n. a.	STATus:CHANnel:QUEStionable:CONDition?	
n. a.	STATus:CHANnel:QUEStionable:ENABle	
n. a.	STATus:CHANnel:QUEStionable:ENABle?	
n. a.	STATus:CHANnel:QUEStionable[:EVENt]?	
STATus:OPERation:CONDition?	STATus:OPERation:CONDition?	
STATus:OPERation:ENABle	n. a.	
STATus:OPERation:ENABle?	n. a.	
STATus:OPERation[:EVENt]?	STATus:OPERation[:EVENt]?	
STATus:PRESet	STATus:PRESet	
STATus:QUEStionable:CONDition?	STATus:QUEStionable:CONDition?	
STATus:QUEStionable:ENABle	n. a.	
STATus:QUEStionable:ENABle?	n. a.	
STATus:QUEStionable[:EVENt]?	STATus:QUEStionable[:EVENt]?	
Subsystem SYSTem		
n. a.	SYSTem:COMMunicate:CAN:ADDRess	
n. a.	SYSTem:COMMunicate:CAN:ADDRess?	
n. a.	SYSTem:COMMunicate:CAN:BAUD	
n. a.	SYSTem:COMMunicate:CAN:BAUD?	
n. a.	SYSTem:COMMunicate:CAN:TERMination[:STATe]	
n. a.	SYSTem:COMMunicate:CAN:TERMination[:STATe]?	
n. a.	SYSTem:COMMunicate:GPIB:ADDRess	
n. a.	SYSTem:COMMunicate:GPIB:ADDRess?	
n. a.	SYSTem:COMMunicate:LAN:DHCP[:STATe]	
n. a.	SYSTem:COMMunicate:LAN:DHCP[:STATe]?	
n. a.	SYSTem:COMMunicate:LAN:DNS[:ADDRess]	
n. a.	SYSTem:COMMunicate:LAN:DNS[:ADDRess]?	
n. a.	SYSTem:COMMunicate:LAN:GATeway[:ADDRess]	
n. a.	SYSTem:COMMunicate:LAN:GATeway[:ADDRess]?	
n. a.	SYSTem:COMMunicate:LAN:HOSTname?	
n. a.	SYSTem:COMMunicate:LAN:IP[:ADDRess]	
n. a.	SYSTem:COMMunicate:LAN:IP[:ADDRess]?	
n. a.	SYSTem:COMMunicate:LAN:MAC[:ADDRess]?	
n. a.	SYSTem:COMMunicate:LAN:PORT	
n. a.	SYSTem:COMMunicate:LAN:PORT?	
n. a.	SYSTem:COMMunicate:LAN:SUBNet[:MASK]	
n. a.	SYSTem:COMMunicate:LAN:SUBNet[:MASK]?	
n. a.	SYSTem:COMMunicate:SERial:BAUD	
n. a.	SYSTem:COMMunicate:SERial:BAUD?	
n. a.	SYSTem:COMMunicate:SERial:BITS?	
n. a.	SYSTem:COMMunicate:SERial:PARity	
n. a.	SYSTem:COMMunicate:SERial:PARity?	
n. a.	SYSTem:COMMunicate:SERial:SBITs	
n. a.	SYSTem:COMMunicate:SERial:SBITs?	
n. a.	SYSTem:COMMunicate:VCP:BAUD	up to FW Rev. 1.5.x
n. a.	SYSTem:COMMunicate:VCP:BAUD?	up to FW Rev. 1.5.x
n. a.	SYSTem:COMMunicate:VCP:BITS?	up to FW Rev. 1.5.x
n. a.	SYSTem:COMMunicate:VCP:PARity	up to FW Rev. 1.5.x
n. a.	SYSTem:COMMunicate:VCP:PARity?	up to FW Rev. 1.5.x
n. a.	SYSTem:COMMunicate:VCP:SBITs	up to FW Rev. 1.5.x
n. a.	SYSTem:COMMunicate:VCP:SBITs?	up to FW Rev. 1.5.x
n. a.	SYSTem:DATE	
n. a.	SYSTem:DATE?	
n. a.	SYSTem:ERRor:ALL?	
n. a.	SYSTem:ERRor:COUNt?	
SYSTem:ERRor?	SYSTem:ERRor[:NEXT]?	
SYSTem:FAN	SYSTem:COOLing[:MODE]	
SYSTem:FAN?	SYSTem:COOLing[:MODE]?	
n. a.	SYSTem:HELP:HEADers?	
n. a.	SYSTem:KLOCk	

n. a.	SYSTem:KLOCk?	
n. a.	SYSTem:LOCal	
SYSTem:PARameter	SERVice[:PARameter]:VALue	
SYSTem:PARameter?	SERVice[:PARameter]:VALue?	
n. a.	SYSTem:PRESet	
SYSTem:PROTection[:LEVel]	INPut:WDOG:DELay	
SYSTem:PROTection[:LEVel]?	INPut:WDOG:DELay?	
n. a.	INPut:WDOG:RESet	
SYSTem:PROTection:STATe	INPut:WDOG[:STATe]	
SYSTem:PROTection:STATe?	INPut:WDOG[:STATe]?	
SYSTem:PROTection:TRIPped?	n. a.	
n. a.	SYSTem:REMote	
n. a.	SYSTem:SLINk[:STATe]	from FW Rev. 1.6.0 (production series D)
n. a.	SYSTem:SLINk[:STATe]?	from FW Rev. 1.6.0 (production series D)
n. a.	SYSTem:SLINk:DELay	from FW Rev. 1.6.0 (production series D)
n. a.	SYSTem:SLINk:DELay?	from FW Rev. 1.6.0 (production series D)
n. a.	SYSTem:TIME	
n. a.	SYSTem:TIME?	
SYSTem:SPEed	FUNCtion:SPEed	
SYSTem:SPEed?	FUNCtion:SPEed?	
SYSTem:STRing	SERVice[:PARameter]:STRing	
SYSTem:STRing?	SERVice[:PARameter]:STRing?	
SYSTem:VERSion?	SYSTem:VERSion?	
Subsystem TRIGger		
n. a.	ABORt	
n. a.	INITiate[:IMMediate]	
n. a.	INITiate:CONTinuous	
n. a.	INITiate:CONTinuous?	
n. a.	TRIGger:DELay	from FW Rev. 1.6.0 (production series D)
n. a.	TRIGger:DELay?	from FW Rev. 1.6.0 (production series D)
Subsystem VOLTage		
VOLTage[:LEVel][:IMMediate]	VOLTage[:LEVel][:IMMediate]	
VOLTage[:LEVel][:IMMediate]?	VOLTage[:LEVel][:IMMediate]?	
VOLTage[:LEVel]:TRIGgered	VOLTage[:LEVel]:TRIGgered	
VOLTage[:LEVel]:TRIGgered?	VOLTage[:LEVel]:TRIGgered?	
n. a.	VOLTage:PROTection[:LEVel]	At PMLI series the undervoltage protection is set by SYSTem:PARameter command (parameter no. 9).
n. a.	VOLTage:PROTection[:LEVel]?	At PMLI series the undervoltage protection value is read by SYSTem:PARameter? query (parameter no. 9).