

RCL Meters

Technical specifications

	PM 6303A	PM 6304	PM 6306
Frequency range	1 kHz	50 Hz - 100 kHz	50 Hz - 1 MHz
AC test signal level	2 V (via 400 Ω)	50 mV & 1 V (via 100 Ω)	50 mV-2 V (via 100 Ω)
		2 V (via 400 Ω)	
Impedance/Resistance Z or R ²	0.0000 Ω to 200 MΩ Res. 1 mΩ	0.0000 Ω to 200 MΩ Res. 0.1 mΩ	
Resistance DC RDC	-	0.0000 Ω to 50 MΩ Res. 0.1 mΩ	
Capacitance C	0.0 pF to 100 mF/31.8F Res. 0.1 pF	0.00 pF to 31.8F Res. 0.01 pF	
Inductance L	0.0 μH to 32 kH Res. 0.1 μH	0.00 μH to 637 kH Res. 0.01 μH	
Quality factor Q	0.002 to 500 Res. 0.001	0.000 to 1000 Res. 0.001	
Dissipation factor D	0.002 to 500 Res. 0.001	0.000 to 1000 Res. 0.001	
Phase angle Φ	-90.0 to +90.0 Res. 0.1 deg	-179 to +180 deg Res. 0.1 deg	
Voltage monitor VX	-	0.1 μV to 2.00 V Res. 0.1 μV	
Current monitor IX	-	0.005 μA to 10.0 mA Res. 0.001 μA	
DC test mode (Option)	-	300 mV, 1 V, 2 V	50 mV - 2 V
DC bias Internal	2 V	2 V	0 - 10 V
DC bias External	-	0 to 40 V	0 to 40 V
Contact check	-	-	Yes
Basic accuracy	0.25 %	0.1 %	0.1 %
Basic accuracy PM 6304C	-	0.05 %	-
Averaging	-	Yes	Yes (3 levels)
Deviation mode	-	-	Yes
Test signal monitoring	-	Current or voltage	Current or voltage
RS232 or IEEE-488	-	Optional	To choice
Normal mode	-	2 measurement/s	
Fast Mode	-	10 measurement/s	
Binning	-	9 bins	
Bin programming via	-	IEEE-488 RS-232 interface	
Remote Bin programming	-	Option PM 9559B	-
Front panel settings	-	9+1 (trim figures included)	
Weight	3.8 kg	4.7 kg	5.3 kg
Warm-up time	5 min	5 min	30 min
Power consumption	16 VA	31 VA	44 VA
Power requirements	100/120/220/240 V ± 10% 50/60 Hz		
Size (H x W x D)	105 x 315 x 405 mm		
Calibration interval / warranty	1 year		

Models PM 6304	IEEE - 488	RS -232	DC unit	Handler
PM 6304/00n				
PM 6304/02n	*			
PM 6304C/02n	*			
PM 6304/03n		*		
PM 6304C/03n		*		
PM 6304/04n			*	
PM 6304/06n	*		*	
PM 6304/07n		*	*	
PM 6304/80n				*
PM 6304/52n	*			*
PM 6304/53n		*		*
PM 6304/54n			*	*
PM 6304/56n	*		*	*
PM 6304/57n		*	*	*

Models PM 6306	IEEE - 488	RS -232	DC unit	Handler
PM 6306/02n	*			
PM 6306/03n		*		
PM 6306/06n	*		*	
PM 6306/07n		*	*	
PM 6306/52n	*			*
PM 6306/53n		*		*
PM 6306/56n	*		*	*
PM 6306/57n		*	*	*

Example: PM 6306/573 Programmable RCL meter PM 6306 with "handler interface", "DC measurement unit" and "RS-232 interface" installed. Standard North American line cable.

Ordering Information

PM 6303A/00n
Automatic RCL meter 1 kHz

PM 6304/___n
Programmable Automatic RCL Meter DC - 100 kHz

PM 6306/___n
Programmable Automatic RCL Meter DC - 1 MHz

Specify line cord option /--n
/--1 EUR, /--3 USA
/--4 UK, /--5 Swiss
/--8 Australian

Options & Accessories
Options for PM 6306 and PM 6304 (Retrofittable, service centre installable)

PM 9548 IEEE-488 interface kit

PM 9549 RS-232 interface kit

PM 9565 DC measurement option kit

PM 9566 Handler interface

Accessories for PM 6306, PM 6304 AND PM 6303A

PM 9540/BAN 4-wire test cable set with Banana plugs

PM 9540/TWE SMD tweezers

PM 9541B 4-wire test cable set with Heavy Duty Kelvin clips

PM 9542A Universal test adapter

PM 9542/SMD Test fixture for SMD's

PM 9559B Infrared bin programmer (PM 6304 only)

PM 9564 Rack mount kit

WINDOWS® test software for PM 6306 and PM 6304

SW63W/011
ComponentView Software
PM 9536/041
RS-232 cable 3 m,
9 pin female / 9 pin female