

	PM 6306	PM 6304
Binning Standard bins Special bins Bin programming via	9 Bin "0" and bin "fail" IEEE-488 interface RS-232 interface Bin programmer (PM 6304 only) Absolute or relative	
Bin limit programming		
Trim function Open circuit Short circuit	Open circuit compensation $Z > 100 \text{ k}\Omega$ Short circuit compensation $Z < 10\Omega$	
Protection against charged capacitors $C < 2 \mu\text{F}$ $2 \mu\text{F} \leq C \leq 2 \text{ mF}$ $C > 2 \text{ mF}$	$V_{\text{max}} < 200 \text{ V}$ $V_{\text{max}} < 47 \times (C/\text{mF})^{0.234}$ $(V_{\text{max}} \text{ in V, C in mF})$ $V_{\text{max}} < 40 \text{ V}$	$V_{\text{max}} < 500 \text{ V}$ $V_{\text{max}} < 117 \times (C/\text{mF})^{0.234}$ $(V_{\text{max}} \text{ in V, C in mF})$ $V_{\text{max}} < 100 \text{ V}$
Stored settings (non-volatile memory) Front panel settings Bin settings	9+1 (trim figures included) 9+1	
Print measurement results	Via RS-232 interface for serial printers	
Calibration Calibration interval	1 year	
Environmental conditions Operating temperature Storage temperature Power requirements Line frequency	0°C to 50°C -40°C to 70°C 100/120/220/240 V \pm 10% 50/60 Hz	
Power consumption	44 VA	31 VA
EMC	According to CE regulation 89/336; Emission according to EN 55011 Group 1 Class B, respectively CISPR 11. Immunity according to EN 55082-1, inclusive IEC 801-2,-3,-4	
Safety	According to CE-regulation 73/23 EN61010-1 CAT II, Pollution Degree 2, CSA C22.2 No. 231	
Warm-up time	30 minutes	5 minutes
Dimensions and weight WxHxD	315 x 105 x 405 mm (12.4" x 4.13" x 15.9")	
Weight	5.3 kg / 11.7 lb	4.7 kg / 10.4 lb

Accessories for PM 6306, PM 6304 and PM 6303A

PM 9540 / BAN DUT connection Cable length Weight	4-wire test cable set with Banana plugs 4 Banana plugs 1000 mm 0.15 kg
PM 9540 / TWE DUT connection DUT length Cable length Weight	SMD tweezers 2 tweezers max. 20 mm 1000 mm 0.15 kg
PM 9541A DUT connection Cable length Weight	4-wire test cable set with Kelvin clips 2 Kelvin clips 1000 mm 0.2 kg
PM 9541B DUT connection Cable length Weight	4-wire test cable set with heavy Kelvin clips 2 Kelvin clips 1000 mm 0.3 kg
PM 9542A DUT connection DUT length Dimensions (WxHxD) Weight	Universal test adapter Kelvin contacts in test posts 1000 mm 145 x 50 x 95 mm (5.7" x 1.9" x 3.7") 0.6 kg
PM 9542 / SMD DUT connection DUT length DUT width DUT height Dimensions (WxHxD)	Test fixture for SMDs (in combination with PM 9542A) Kelvin contacts in test posts min. 2 mm, max. 10 mm min. 1 mm min. 0.5 mm 55 x 45 x 30 mm (2.2" x 1.8" x 1.2")
PM 9559 Distance	Infrared bin programmer (PM 6304 only) < 1.5m
PM 9564 Height	Rack mount kit 2E (88.5 mm)

PM 6303A	
AC test mode Test frequency Test frequency accuracy Test signal level Basic measurement accuracy	1 kHz 0.025% 2V via 400 Ω source 0.25% \pm 1 digit
DC bias Internal	2V
Maximum measuring ranges Impedance / Resistance Z or R _{AC} Capacitance C Inductance L Quality factor Q Dissipation factor D Phase angle ϕ	0000 Ω to 200 M Ω 0.0 pF to 100 mF 0.0 μ H to 32 kH 0.002 to 500 0.002 to 500 -90.0 to +90.0 deg
Maximum resolution Impedance / Resistance Z or R _{AC} Capacitance C Inductance L Quality factor Q Dissipation factor D Phase angle ϕ	0.1 m Ω 0.1 pF 0.1 μ H 0.001 0.001 0.1 deg
Circuit diagram	7 different equivalent circuit diagrams
Auto mode Read-out Equivalent circuit diagram	Dominant parameter Parallel for R+C Serial for R+L
Manual mode Read-out Equivalent circuit diagram	Dominant or secondary parameter Parallel or serial selectable
Measurement update rate	2 measurements/s
Trim function Open circuit Short circuit	Open circuit compensation $Z > 100 \text{ k}\Omega$ Short circuit compensation $Z < 10\Omega$
Stored settings (non-volatile memory) Front panel settings	1 (trim figures included)
Calibration Calibration interval	1 year
Environmental conditions Operating temperature Storage temperature Power requirements Line frequency Power consumption EMC	0°C to 50°C -40°C to 70°C 100/120/220/240V \pm 10% 50 to 100 Hz 16 VA According to CE regulation 89/336; Emission according to EN 55011 Group 1 Class B, respectively CISPR 11. Immunity according to EN 55082-1, inclusive IEC 801-2,-3,-4
Safety	According to CE-regulation 73/23 EN61010-1 CAT II, Pollution Degree 2
Warm-up time	5 minutes
Dimensions and weight WxHxD Weight	315 x 105 x 405 mm (12.4" x 4.13" x 15.9") 3.8 kg / 8.4 lb