The PowerLogic PM5000 series power meters are the new benchmark in affordable, precision metering.

The value you want, the precision you need. Compact, affordable power meters with high-end cost capabilities and basic mobile energy management.

Applications

Capable of essential cost management:

- · Sub-billing/tenant metering
- · Equipment sub-billing
- Energy cost allocation

Also ideal for electrical network management:

- Track real-time power conditions
- Monitor control functions
- · Provide basic power quality values
- Monitor equipment and network status
- BACnet/IP protocol support



3118061

The solution for

Markets that can benefit from a solution that includes PowerLogic PM5000 series meters:

- Buildings
- Industry
- Healthcare
- Data Centre and networks
- Infrastructure

Benefits

System integrators' benefit

- Ease of integration
- Ease of setup
- Cost effectiveness

Panel builders' benefit

- Ease of installation
- Cost effectiveness
- Aesthetically pleasing
- Simplified ordering

End users' benefit

- Ease of use
- Precision metering & sub-billing
- Billing flexibility
- · Comprehensive, consistent and superior performance

Competitive advantages

- · Easy to install and operate
- Easy for circuit breaker monitoring and control
- Direct metering of neutral circuit and calculated ground current value to avoid overload and resulting outage (PM556x)
- Power quality analysis
- Load management combined with alarm and timestamping
- High performance and accuracy
- MID ready compliance for legal billing application
- BACnet/IP protocol support

Power management solutions

Schneider Electric provides innovative power management solutions to increase your energy efficiency and cost savings, maximise electrical network reliability and availability, and optimise electrical asset performance. See Page 114

Conformity of standards

- IEC 61557-12
- IEC 61010-1
- IEC 62053-22
- IEC 61326-1
- IEC 62053-24
- CISPR22
- EN 50470-1
- Class B
- EN 50470-3

	PMS	5100		PM5300			PM5500		
	PM5100	PM5110	PM5310	PM5320	PM5330	PM5340	PM5560	PM5563	PM5563RD
Installation									
Fast installation, panel mount with integrated display	•	-	•	•	•	-	-	-	-
Fast installation, DIN rail mountable	-	-	-	-	-	-	_	•	•
Accuracy	CL 0.5S	CL 0.5S	CL 0.5S	CL 0.5S	CL 0.5S	CL 0.5S	CL 0.2S	CL 0.2S	CL 0.2S
Display									
Backlit LCD, multilingual, bar graphs, 6 lines, 4 concurrent values	•	•	•	•	•	•		•	•
Power and energy metering									
3-phase voltage, current, power, demand, energy, frequency, power factor	-	-	-	-	-	•	•	•	•
Multi-tariff	-	-	4	4	4	4	8	8	8
Power quality analysis									
THD, thd, TDD	•	-	•	•	-	-	-	-	-
Harmonics, individual (odd) up to	15th	15th	31st	31st	31st	31st	63rd	63rd	63rd
I/Os and relays									
I/Os	1DO	1DO	2DI/2DO	2DI/2DO	2DI/2DO	2DI/2DO	4DI/2DO	4DI/2DO	4DI/2DO
Relays	0	0	0	0	2	2	0	0	0
Alarms and control									
Alarms	33	33	35	35	35	35	52	52	52
Set point response time, seconds	1	1	1	1	1	1	1	1	1
Single and multi-condition alarms	_	-	•	•	-	-	-		-
Boolean alarm logic	_	-	-	-	-	-	•	•	•
Memory for data logging			256KB	256KB	256KB	256KB	1.1 MB	1.1 MB	1.1 MB
Communications									
Serial ports with modbus protocol	-	1	1	-	1	-	1	1	1
Ethernet port with Modbus TCP protocol	-	-	-	1	-	1	2★★	2★★	2★★
BACnet/IP protocol	-	-	-	•	-	•	•	•	-
Onboard web server with web pages	-	_	-	_	_	-	.=	-	-
Serial to Ethernet gateway	-	_	_	-	-	-	-	-	•
MID ready compliance, EN50470-1/3, Annex B and Annex D Class C	-	PM5111 METSEPM5111	_	-	PM5331 METSEPM5331	PM5341 METSEPM5341	PM5561 METSEPM5561	PM5561 METSEPM5561	PM5561

 $\star\star$ 2 Ethernet ports for daisy chain, one IP address

Other related products			
Commercial reference numbers	Description		
METSEPM5563RD	PM5563 meter with remote display		
METSEPM5RD	Remote display for PM5563		
METSEPM51HK	Hardware kit for PM51xx		
METSEPM53HK	Hardware kit for PM53xx		
METSEPM51_3RSK	Revenue sealing kit for PM51XX & PM53XX		
METSEPM55RSK	Revenue sealing kit for PM55XX		
METSEPM55HK	Hardware kit for PM55xx		
METSEPM5CAB3	Remote Display cable		

See your Schneider Electric representative for complete ordering information.

	nnical specifications	PM5100	PM5300	PM5500
Llee on LV and MV a	vistomo	1 100 100		T Medde
Use on LV and MV s			•	
Basic metering with	THD and min/max readings		•	
Instantaneous rm				
Current	per phase, neutral and ground (PM5500)		•	
Voltage	Total, per phase L-L and L-N		•	
Frequency				
Real, reactive, and apparent power	Total and per phase		Signed, Four Quadrant	
True Power Factor	Total and per phase		Signed, Four Quadrant	
Displacement PF	Total and per phase		Signed, Four Quadrant	
% Unbalanced I, V l	N, V L-L			
Direct monitoring of	neutral current			
Energy values				
Accumulated Active	, Reactive and Apparent Energy	Rece	ived/Delivered; Net and absolute; Tir	me Counters
Demand value				
Current average		Pre	sent, Last, Predicted, Peak, and Pea	k Date Time
Active power		Pre	sent, Last, Predicted, Peak, and Pea	k Date Time
Reactive power		Pre	sent, Last, Predicted, Peak, and Pea	k Date Time
Apparent power		Pre	sent, Last, Predicted, Peak, and Pea	k Date Time
Peak demand with ti powers	imestamping D/T for current and		•	
Demand calculation	Sliding, fixed and rolling block, thermal methods	•		
	he measurement window to input, imand or internal clock		•	
Settable Demand in	tervals		•	
Demand calculation	for Pulse input (WAGES)			-
Other measurem	ents			
I/O timer				
Operating timer			•	
Load timer			•	
Alarm counters and	alarm logs		•	
Power quality me	asurements			
THD, thd (Total Harmo	onic Distortion) I, VLN, VLL		I,VLN, VLL	
TDD (Total Demand	Distortion)		-	
Individual harmonics	, ,	15th	31st	63rd
Neutral Current met calculation	ering with ground current			•
Data recording				
Min/max of instantan identification★	eous values, plus phase		•	
Alarms with 1s times	stamping ★		•	
Data logging			2 fixed parameters kWh and kVAF with configurable interval and duration (e.g. 2 parameters for 60 days at 15 minutes interval)	with configurable interval and
Memory capacity			256 kB	1.1 MB
Min/max log			-	

★Stored in non-volatile memory

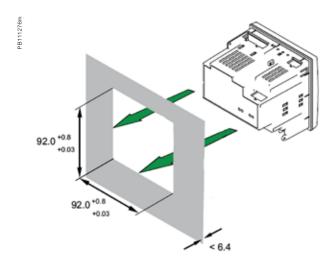
PM5000 te	echnical	specifications				
			PM5100	PM5300	PM5500	
Inputs / Outpu	uts / Mechar	nical Relays				
Digital inputs				2 (SI1, SI2)	4 (SI1, SI2, SI3, SI4) with WAGES support	
Digital outputs			1 (kWh only)	2 (configurable)	2 (configurable)	
Form A Relay o	utputs			2		
Timestamp resonds	olution in		1	1	1	
Whetting voltage	je			-		
Type of measur (3P, 3P + N)	rement: True i	rms on three-phase	64 sampl	es per cycle	128 samples per cycle	
	IEC 61557-	12	PMD/[SD	SS]/K70/0.5	PMD/[SD SS]/K70/0.2	
	Active Ener	gy	Class 0.5S as p	per IEC 62053-22	Class 0.2S as per IEC 62053-22	
	Reactive Er	nergy	Class 2S as per IEC 62053-24		Class 1S as per IEC 62053-24	
	Active Energy		±0.5%		±0.2%	
	Reactive Er	nergy	±	2%	±1%	
Measurement accuracy	Active Power	er	Class 0.5 as per IEC 61557-12		Class 0.2 as per IEC 61557-12	
	Apparent P	ower		Class 0.5 as per IEC 61557-	12	
	Current, Phase		Class 0.5 as per IEC 61557-12		±0.15%	
	Voltage, L-N		Class 0.5 as per IEC 61557-12		±0.1%	
	Frequency		±0.05%			
	MID Directiv	ve EN50470-1,	Annex B and Annex D (Optional model refer		erences) Class C	
Input-voltage (up to 1.0 MV AC max,	Nominal Me	easured Voltage range		o 400 V L-N /690 V L-L 5 V L-L to 760 V L-L	20 V L-N / 20 V L-L to 400 V L-N /690 V L-L absolute range 20 V L-L to 828 V L-L	
with voltage transformer)	Impedance			5 Μ Ω	 	
i di loroni lori	F nom		50 or 60) Hz ±5%	50 or 60 Hz ±10%	
	I nom			5 A		
Input-current	Measured A Crest Factor	amps with over range and		urrent: 5 mA e: 50 mA to 8.5 A	Starting current: 5m A Operating range: 50 mA to 10 A	
(configurable for 1 or 5 A	Withstand		Continuous 20 A, 10 s/hr 50 A, 1s/hr 500 A			
secondary CTs)	Impedance		< 0.3 mΩ			
	F nom		50 or 60 Hz ±5%		50 or 60 Hz ±10%	
	Burden			<0.026 VA at 8.5 A		
	Operating r	range		N / 415 V L-L +/-10% ass per IEC 61010	100-480 V AC ±10% CAT III 600V class per IEC 61010	
AO	Burden		<5 W,11 VA at 415V L-L		<5W/16.0 VA at 480 V AC	
AC control power	Frequency		45 to 65 Hz			
	Ride-throug	gh time	100 mS typical at 230 V	C and maximum burden. AC and maximum burden AC and maximum burden	35 ms typical at 120 V L-N and maximum burden 129 ms typical at 230 V L-N and maximum burden	
	Operating r	range		125-250 V DC ±20%		
DC control power	Burden		<4 W at	250 V DC	typical 3.1W at 125 V DC, max. 5W	
	Ride-throug	gh time	50 mS	typical at 125 V DC and maxim	num burden	

PM5000 technical specifications

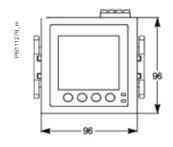
			PM5100	PM5300	PM5500		
		Max output frequency		0.5 Hz maximum (1 second ON / 1 second OFF - min times)			
	Relay	Switching current		250 V AC at 8.0 Amps, 25 k cycles, resistive 30 V DC at 2.0 Amps, 75 k cycles, resistive 30 V DC at 5.0 Amps, 12.5 k cycles, resistive			
		Isolation		2.5 kV rms			
		Digital outputs	1	2	2		
	Max load of On Resist utputs Digital	Max load voltage		40 V DC	30 V AC / 60 V DC		
		Max load current		20 mA	125 mA		
		On Resistance	50 Ω max		8 Ω		
Dutputs		Meter constant		from 1 to 9,999,999 pulses per k\	Vh		
		Pulse width for Digital Output	50% duty cycle				
		Pulse frequency for Digital Output	25 Hz max.				
		Leakage current	0.03 micro Amps		1 micro Amps		
		Isolation		5 kV rms	2.5 kV rms		
		Pulse width (LED)		200 ms			
	Optical	Pulse frequency	F	50 Hz. max.	2.5 kHz. max		
	outputs	Meter constant	50 Fiz. Max. from 1 to 9,999,999 pulses per k_h		h		
	ON Voltage	e		18.5 to 36 V DC	30 V AC / 60 V DC max		
	OFF Voltage		0 to 4 V DC				
	Input Resi			110 k Ω	100 k Ω		
		Frequency		2 Hz (T ON min = T OFF min	25 Hz (T ON min = T OFF min =		
Status nputs	Response			= 250 ms)	20 ms)		
	Opto Isola			5 kV rms	2.5 kV rms		
	Wetting ou			24 V DC/ 8 mA max			
	Input Burd	len		2mA @24V DC	2 mA @ 24 V AC/DC		
Mechanical	characteris	stics					
Product weig			380 g	430 g	450 g		
	protection (IE	C 60529)		IP52 front display, IP30 meter bo	I.		
Dimensions W	V x H x D [pro	trusion from cabinet]	96 x 96 x 72 mm (77 mr	n for PM5500) (depth of meter from ho	using mounting flange) [13 mm]		
Mounting pos	sition			Vertical			
Panel thickne	ess		6 mm maximum				
Environmen	tal characte	eristics					
Operating temperature	Meter			-25 °C to 70 °C			
		isplay functions to -25° ed performance)		-25 °C to 70 °C			
Storage temp				-40 °C to 85 °C			
Humidity rang	ge			5 to 95 % RH at 50 °C (non-conden	sing)		
Polution degr	-ee			2			
Altitude			0000 0	AT III / 3000 m CAT II	3000 m max. CAT III		

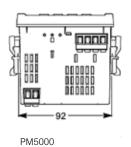
PM5000 tech	nical specifications		
Electromagnetic co	ompatibility		
Harmonic current em	nissions	IEC 61000-3-2	
Flicker emissions		IEC 61000-3-3	
Electrostatic discharg	ge	IEC 61000-4-2	
Immunity to radiated	fields	IEC 61000-4-3	
Immunity to fast trans	sients	IEC 61000-4-4	
Immunity to surge		IEC 61000-4-5	
Conducted immunity	150kHz to 80MHz	IEC 61000-4-6	
Immunity to magnetic	fields	IEC 61000-4-8	
Immunity to voltage of	dips	IEC 61000-4-11	
Radiated emissions		FCC part 15, EN 55022 Class E	3
Conducted emissions	S	FCC part 15, EN 55022 Class E	3
Safety		PM5100 PM5300	PM5500
Europe		CE, as per IEC 61010-1 Ed. 3, IEC 62052-11 &	IEC 61557-12
U.S. and Canada		cULus as per UL 61010-1 (3rd Editio	on)
Measurement catego	ory (Voltage and Current inputs)	CAT III up to 400 V L-N / 690 V L-	-L
Dielectric		As per IEC/UL 61010-1 Ed. 3	
Protective Class		II, Double insulated for user accessibl	e parts
Communication			
RS-485 port Modbus (7 or 8 bit), JBUS	RTU, Modbus ASCII	2-Wire, 9600,19200 or 38400 baud, Parity - Even, Odd, None, 1 stop if None; (Optional in PM51x and PM5	
Ethernet port: 10/100) Mbps; Modbus TCP/IP	1 Optional	2 (daisy chain only, 1 IP address)
Firmware and langua	age file update	Meter firmware update via the communica	ition ports
Isolation		2.5 kVrms, double insulated	
Human machine in	terface		
Display type		Monochrome Graphics LCD	
Display type Resolution		Monochrome Graphics LCD 128 x 128	
Resolution	1)	128 x 128	
Resolution Backlight	4)	128 x 128 White LED	
Resolution Backlight Viewable area (W x F	,	128 x 128 White LED 67 x 62.5 mm	
Resolution Backlight Viewable area (W x H Keypad Indicator Heartbeat /	,	128 x 128 White LED 67 x 62.5 mm 4-button	
Resolution Backlight Viewable area (W x H Keypad Indicator Heartbeat /	Comm activity	128 x 128 White LED 67 x 62.5 mm 4-button Green LED	
Resolution Backlight Viewable area (W x F Keypad Indicator Heartbeat / Energy pulse output /	Comm activity Active alarm (configurable)	128 x 128 White LED 67 x 62.5 mm 4-button Green LED Optical, amber LED	
Resolution Backlight Viewable area (W x H Keypad Indicator Heartbeat /	Comm activity / Active alarm (configurable) Wavelength	128 x 128 White LED 67 x 62.5 mm 4-button Green LED Optical, amber LED 590 to 635 nm	
Resolution Backlight Viewable area (W x H Keypad Indicator Heartbeat / Energy pulse output / Commercial ref.	Comm activity (Active alarm (configurable) Wavelength Maximum pulse rate Description	128 x 128 White LED 67 x 62.5 mm 4-button Green LED Optical, amber LED 590 to 635 nm	ication, 1DO
Resolution Backlight Viewable area (W x H Keypad Indicator Heartbeat / Energy pulse output / Commercial ref. numbers	Comm activity / Active alarm (configurable) Wavelength Maximum pulse rate Description Power Meter range 72 mm dep	128 x 128 White LED 67 x 62.5 mm 4-button Green LED Optical, amber LED 590 to 635 nm 2.5 kHz	
Resolution Backlight Viewable area (W x F Keypad Indicator Heartbeat / Energy pulse output / Commercial ref. numbers METSEPM5100	Comm activity / Active alarm (configurable) Wavelength Maximum pulse rate Description Power Meter range 72 mm dep Power Meter range 72 mm dep	128 x 128 White LED 67 x 62.5 mm 4-button Green LED Optical, amber LED 590 to 635 nm 2.5 kHz th, control power to 415 V AC, Cl 0.5S, 15th harmonic, no communications are seen as a seen and the communication of the comm	lbus, 1DO
Resolution Backlight Viewable area (W x H Keypad Indicator Heartbeat / Energy pulse output / Commercial ref. numbers METSEPM51100 METSEPM51110	Comm activity / Active alarm (configurable) Wavelength Maximum pulse rate Description Power Meter range 72 mm dep Power Meter range 72 mm dep Power Meter range 72 mm dep	128 x 128 White LED 67 x 62.5 mm 4-button Green LED Optical, amber LED 590 to 635 nm 2.5 kHz th, control power to 415 V AC, Cl 0.5S, 15th harmonic, no communith, control power to 415 V AC, Cl 0.5S, 15th harmonic, RS-485 Mod	lbus, 1DO lbus, 1DO, MID cert.
Resolution Backlight Viewable area (W x F Keypad Indicator Heartbeat / Energy pulse output / Commercial ref. numbers METSEPM5110 METSEPM5111	Comm activity Active alarm (configurable) Wavelength Maximum pulse rate Description Power Meter range 72 mm dep	128 x 128 White LED 67 x 62.5 mm 4-button Green LED Optical, amber LED 590 to 635 nm 2.5 kHz th, control power to 415 V AC, CI 0.5S, 15th harmonic, no communith, control power to 415 V AC, CI 0.5S, 15th harmonic, RS-485 Mod th, control power to 415 V AC, CI 0.5S, 15th harmonic, RS-485 Mod th, control power to 415 V AC, CI 0.5S, 15th harmonic, RS-485 Mod th, control power to 415 V AC, CI 0.5S, 15th harmonic, RS-485 Mod	lbus, 1DO lbus, 1DO, MID cert. 485 Modbus, 2DI/2DO
Resolution Backlight Viewable area (W x F Keypad Indicator Heartbeat / Energy pulse output / Commercial ref. numbers METSEPM5110 METSEPM5111 METSEPM5310 METSEPM5320 METSEPM5330	Comm activity / Active alarm (configurable) Wavelength Maximum pulse rate Description Power Meter range 72 mm dep	th, control power to 415 V AC, CI 0.5S, 15th harmonic, RS-485 Mod th, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-4th, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-4th, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-4th, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-4th, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-4th, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-4th, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-4th, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-4th, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-4	ibus, 1DO ibus, 1DO, MID cert. 485 Modbus, 2DI/2DO ernet, 2DI/2DO 485 Modbus, 2DI/2DO, 2Relay
Resolution Backlight Viewable area (W x H Keypad Indicator Heartbeat / Energy pulse output / Commercial ref. numbers METSEPM5110 METSEPM5111 METSEPM5310 METSEPM5320 METSEPM5330 METSEPM5331	Comm activity Active alarm (configurable) Wavelength Maximum pulse rate Description Power Meter range 72 mm dep	th, control power to 415 V AC, CI 0.5S, 15th harmonic, RS-485 Mod th, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5	lbus, 1DO lbus, 1DO, MID cert. 485 Modbus, 2DI/2DO ernet, 2DI/2DO 485 Modbus, 2DI/2DO, 2Relay lodbus, 2DI/2DO, 2Relay, MID cert.
Resolution Backlight Viewable area (W x F Keypad Indicator Heartbeat / Energy pulse output / Commercial ref. numbers METSEPM5110 METSEPM5111 METSEPM5310 METSEPM5320 METSEPM5330	Comm activity Active alarm (configurable) Wavelength Maximum pulse rate Description Power Meter range 72 mm dep Power Meter range 72 mm dept Power Meter range 72 mm deptr Power Meter range 72 mm deptr	th, control power to 415 V AC, Cl 0.5S, 15th harmonic, RS-485 Mod th, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, RS-485 M, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, RS-485 M, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, RS-485 M, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, RS-485 M, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, RS-485 M, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, RS-485 M, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, RS-485 M, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, RS-485 M, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, RS-485 M, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, Ethernet	lbus, 1DO lbus, 1DO, MID cert. 485 Modbus, 2DI/2DO ernet, 2DI/2DO 485 Modbus, 2DI/2DO, 2Relay lodbus, 2DI/2DO, 2Relay, MID cert. t, 2DI/2DO, 2Relay
Resolution Backlight Viewable area (W x H Keypad Indicator Heartbeat / Energy pulse output / Commercial ref. numbers METSEPM5110 METSEPM5111 METSEPM5310 METSEPM5320 METSEPM5330 METSEPM5331	Comm activity Active alarm (configurable) Wavelength Maximum pulse rate Description Power Meter range 72 mm dep Power Meter range 72 mm dept Power Meter range 72 mm deptr Power Meter range 72 mm deptr	th, control power to 415 V AC, CI 0.5S, 15th harmonic, RS-485 Mod th, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485, control power to 415 V AC, CI 0.5	lbus, 1DO lbus, 1DO, MID cert. 485 Modbus, 2DI/2DO ernet, 2DI/2DO 485 Modbus, 2DI/2DO, 2Relay lodbus, 2DI/2DO, 2Relay, MID cert. t, 2DI/2DO, 2Relay
Resolution Backlight Viewable area (W x F Keypad Indicator Heartbeat / Energy pulse output / Commercial ref. numbers METSEPM5100 METSEPM5110 METSEPM5310 METSEPM5320 METSEPM5330 METSEPM5331 METSEPM5331	Comm activity / Active alarm (configurable) Wavelength Maximum pulse rate Description Power Meter range 72 mm dep Power Meter range 72 mm depth	th, control power to 415 V AC, Cl 0.5S, 15th harmonic, RS-485 Mod th, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, RS-485 M, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, RS-485 M, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, RS-485 M, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, RS-485 M, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, RS-485 M, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, RS-485 M, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, RS-485 M, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, RS-485 M, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, RS-485 M, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, Ethernet	libus, 1DO libus, 1DO, MID cert. 485 Modbus, 2DI/2DO ernet, 2DI/2DO 485 Modbus, 2DI/2DO, 2Relay lodbus, 2DI/2DO, 2Relay, MID cert. t, 2DI/2DO, 2Relay, MID cert.
Resolution Backlight Viewable area (W x F Keypad Indicator Heartbeat / Energy pulse output / Commercial ref. numbers METSEPM5100 METSEPM5111 METSEPM5310 METSEPM5330 METSEPM5331 METSEPM5331 METSEPM5340 METSEPM5341	Comm activity Active alarm (configurable) Wavelength Maximum pulse rate Description Power Meter range 72 mm dep Power Meter range 72 mm depth Power Meter range 77 mm depth	th, control power to 415 V AC, Cl 0.5S, 15th harmonic, RS-485 Mod th, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, RS-485 Mc, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, RS-485 Mc, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, RS-485 Mc, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, RS-485 Mc, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, RS-485 Mc, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, RS-485 Mc, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, RS-485 Mc, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, RS-485 Mc, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, Ethernet In, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, Ethernet In, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, Ethernet In, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, Ethernet In, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, Ethernet In, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, Ethernet In, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, Ethernet In, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, Ethernet In, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, Ethernet In, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, Ethernet In, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, Ethernet In, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, Ethernet In, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, Ethernet In, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, Ethernet In, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, Ethernet In, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, Ethernet In, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, Ethernet In, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, Ethernet In, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, Ethernet In, control power to 415 V AC, Cl 0.5S, 31st harmoni	ibus, 1DO ibus, 1DO, MID cert. 485 Modbus, 2DI/2DO ernet, 2DI/2DO 485 Modbus, 2DI/2DO, 2Relay lodbus, 2DI/2DO, 2Relay, MID cert. t, 2DI/2DO, 2Relay t, 2DI/2DO, 2Relay, MID cert. bus and Ethernet, 4DI/2DO
Resolution Backlight Viewable area (W x F Keypad Indicator Heartbeat / Energy pulse output / Commercial ref. numbers METSEPM5110 METSEPM5111 METSEPM5310 METSEPM5330 METSEPM5331 METSEPM5331 METSEPM5341 METSEPM5341 METSEPM5341 METSEPM5360	Comm activity Active alarm (configurable) Wavelength Maximum pulse rate Description Power Meter range 72 mm dep Power Meter range 72 mm dept Power Meter range 72 mm depth Power Meter range 77 mm depth Power Meter range 77 mm depth Power Meter range 77 mm depth	White LED 67 x 62.5 mm 4-button Green LED Optical, amber LED 590 to 635 nm 2.5 kHz th, control power to 415 V AC, CI 0.5S, 15th harmonic, no communith, control power to 415 V AC, CI 0.5S, 15th harmonic, RS-485 Mod th, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485 kb, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485 kb, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485 kb, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485 kb, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485 kb, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, RS-485 kb, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, Ethernet h, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, Ethernet h, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, Ethernet h, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, Ethernet h, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, Ethernet h, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, Ethernet h, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, Ethernet h, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, Ethernet h, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, Ethernet h, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, Ethernet h, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, Ethernet h, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, Ethernet h, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, Ethernet h, control power to 415 V AC, CI 0.5S, 31st harmonic, 256 kB, Ethernet h, control power to 480 V AC, CI 0.5S, 63rd harmonic, 1.1 MB, Modb	Ibus, 1DO Ibus, 1DO, MID cert. 485 Modbus, 2DI/2DO Prnet, 2DI/2DO 485 Modbus, 2DI/2DO, 2Relay Iodbus, 2DI/2DO, 2Relay, MID cert. t, 2DI/2DO, 2Relay I, 2DI/2DO, 2Relay, MID cert. bus and Ethernet, 4DI/2DO s and Ethernet, MID cert.
Resolution Backlight Viewable area (W x F Keypad Indicator Heartbeat / Energy pulse output / Commercial ref. numbers METSEPM5100 METSEPM5110 METSEPM5310 METSEPM5320 METSEPM5330 METSEPM5331 METSEPM5341 METSEPM5341 METSEPM5560 METSEPM5560	Comm activity Active alarm (configurable) Wavelength Maximum pulse rate Description Power Meter range 72 mm dep Power Meter range 72 mm dept Power Meter range 72 mm depth Power Meter range 77 mm depth	White LED 67 x 62.5 mm 4-button Green LED Optical, amber LED 590 to 635 nm 2.5 kHz th, control power to 415 V AC, Cl 0.5S, 15th harmonic, no communith, control power to 415 V AC, Cl 0.5S, 15th harmonic, RS-485 Modelth, control power to 415 V AC, Cl 0.5S, 15th harmonic, RS-485 Modelth, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, RS-485 Modelth, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, Etherth, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, RS-485 Modelth, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, RS-485 Medit, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, RS-485 Medit, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, Etherneth, control power to 415 V AC, Cl 0.5S, 31st harmonic, 256 kB, Etherneth, control power to 445 V AC, Cl 0.5S, 31st harmonic, 256 kB, Etherneth, control power to 445 V AC, Cl 0.5S, 31st harmonic, 256 kB, Etherneth, control power to 480 V AC, Cl 0.2S, 63rd harmonic, 1.1 MB, Modbis, control power to 480 V AC, Cl 0.2S, 63rd harmonic, 1.1 MB, Modbis, control power to 480 V AC, Cl 0.2S, 63rd harmonic, 1.1 MB, Modbis, control power to 480 V AC, Cl 0.2S, 63rd harmonic, 1.1 MB, Modbis, control power to 480 V AC, Cl 0.2S, 63rd harmonic, 1.1 MB, Modbis, control power to 480 V AC, Cl 0.2S, 63rd harmonic, 1.1 MB, Modbis, control power to 480 V AC, Cl 0.2S, 63rd harmonic, 1.1 MB, Modbis, control power to 480 V AC, Cl 0.2S, 63rd harmonic, 1.1 MB, Modbis, control power to 480 V AC, Cl 0.2S, 63rd harmonic, 1.1 MB, Modbis, control power to 480 V AC, Cl 0.2S, 63rd harmonic, 1.1 MB, Modbis, control power to 480 V AC, Cl 0.2S, 63rd harmonic, 1.1 MB, Modbis, control power to 480 V AC, Cl 0.2S, 63rd harmonic, 1.1 MB, Modbis, control power to 480 V AC, Cl 0.2S, 63rd harmonic, 1.1 MB, Modbis, control power to 480 V AC, Cl 0.2S, 63rd harmonic, 1.1 MB, Modbis, control power to 480 V AC, Cl 0.2S, 63rd harmonic, 1.1 MB, Modbis, control power to 480 V AC, Cl 0.2S, 63rd harmonic, 1.1 MB, Modbis, control power to 480 V AC, Cl 0.2S, 6	dbus, 1DO dbus, 1DO, MID cert. d85 Modbus, 2DI/2DO drnet, 2DI/2DO d85 Modbus, 2DI/2DO, 2Relay dodbus, 2DI/2DO, 2Relay, MID cert. dt, 2DI/2DO, 2Relay dt, 2DI/2DO, 2Relay, MID cert. dus and Ethernet, 4DI/2DO de and Ethernet, MID cert. dapproved, HW lockable, 4DI/2DO

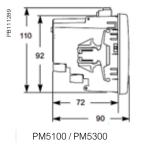
PM5000 Series meter flush mounting

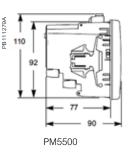


PM5000 series meter dimensions











A Menu selection buttons

Maintenance and alarm

Navigation or menu selections

LED indicators

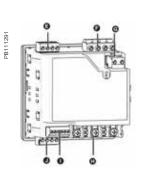
notification area

С

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PM5500 meter parts

- **E** Voltage inputs RS-485 comms
- **G** Digital inputs
- Н Current inputs
- ı Digital outputs
- Ethernet ports
- K Control power



PM5100 / PM5300 meter parts E Relay output (PM5300 only)

- Voltage inputs
- **G** Control power
- Н Current inputs
- 1
- Status inputs/digital outputs Communications port: Ethernet (PM5300 only) or RS-485)

Please see the appropriate Installation Guide for accurate and complete information on the installation of this product.