

The New Generation PowerMeter PLUS

PM130 PLUS

THE ADVANCED POWERMETER



UTILITIES INDUSTRIES COMMERCE

The ultimate PowerMeter and Power Quality Analyzer for a wide range of applications:

Monitoring

Harmonic detection and analysis

Energy Management

Power demand

Accuracy Improved Revenue Billing

- Certified class 0.5S
- Meets class 0.2S

Power Quality

- Harmonics analysis
- Displays up to the 39th harmonic
- 63rd harmonic via communications (PAS)



PLUS!

Real Time Clock

- Time stamp for setpoint parameters

LED Indicator

- Information
- Communication
- Energy pulse
- Kilo / mega
- Bright LED with variable



PLUS!

Optional Modules

- I/O: 4 digital inputs
2 digital outputs
- 4 analog outputs
- Ethernet (TCP/IP)
- Profibus DP



PLUS!

Measurement Range

- Current 10 Amp full scale

Universal Power Supply

- AC/DC 110-220V
- Low DC 12V, 24-48V

Frequency Selection

- 25, 50, 60, 400 Hz
- True 128 samples per cycle



PLUS!

Measurement Specifications

Parameter	Full Scale @ Input Range	Accuracy		Range
		% Reading	% FS	
Voltage	120VxPT @ 120V / 400VxPT @ 690V	0.2	0.01	0 to 1,150,000 V Starting voltage 1.5-5.0% FS (selectable)
Line current	CT	0.2	0.02	0 to 50,000 A Starting current: 0.1% FS
Active power	0.36xPTxCT @ 120V / 1.2xPTxCT @ 690V	0.2	0.02	-10,000,000 kW to +10,000,000 kW
Reactive power	0.36xPTxCT @ 120V / 1.2xPTxCT @ 690V	0.3	0.04	-10,000,000 kvar to +10,000,000 kvar
Apparent power	0.36xPTxCT @ 120V	0.2	0.02	0 to 10,000,000 kVA
Power factor	1.000		0.2	-0.999 to +1.000
Frequency		0.02	-	15 Hz up to 70 Hz
Total Harmonic Distortion THD V(I), %V _f (%I _f)	999.9	1.5	0.1	0 to 999.9
Total Demand Distortion TDD, %	100		1.5	0-100
Active energy import / export		Class 0.5S under conditions as per IEC 62053-22:2003		0 to 999,999,999 kWh
Reactive energy Import / export		Class 0.5S under conditions as per IEC 62053-21:2003		0 to 999,999,999 kvarh
Apparent energy		Class 0.5S under conditions as per IEC 62053-21:2003		0 to 999,999,999 kVAh

PM130 PLUS ORDER STRING

MODELS

PM130P

PM130EH

PM130P

PM130EH

OPTIONS

VOLTAGE INPUTS—FOR SETTING ONLY!

690V AC Nominal Voltage Input O

120V AC Nominal Voltage Input U

CALIBRATION AT:

25 Hz

25

50 Hz

50

60 Hz

60

400 Hz

400

CURRENT INPUTS

5 Ampere

5

1 Ampere

1

READING OPTIONS

Low Resolution

0

High Resolution

H

POWER SUPPLY

85-265V AC and 85-290V DC

ACDC

9.5-18V DC

1DC

18.5-72V DC

23DC

480V AC +/- 10%

4AC

PM130 □ □ □ □ □ □



See **Optional Module** below

OPTIONAL MODULE

Maximum 1 module per instrument

1. ANALOG OUTPUT

A0

1mA

A1

0-20mA

A2

0-1mA

A3

4-20mA

A4

AO □

OR

DIO □

OR

COM □

2. DIGITAL INPUT (Dry Contact) / OUTPUT

DIO

Relay Output (Form A) 250VAC/5A

R

Solid State Relay Output (Form A) 250VAC/0.1A

S

DIO □

OR

COM □

OR

AO □

3. COMMUNICATIONS

COM

Ethernet (TCP/IP)

ETH

PROFIBUS

PRO

COM □

OR

AO □

OR

DIO □