

DMTI - (PM) X96-5J

Smart Multifunction Power Analyser

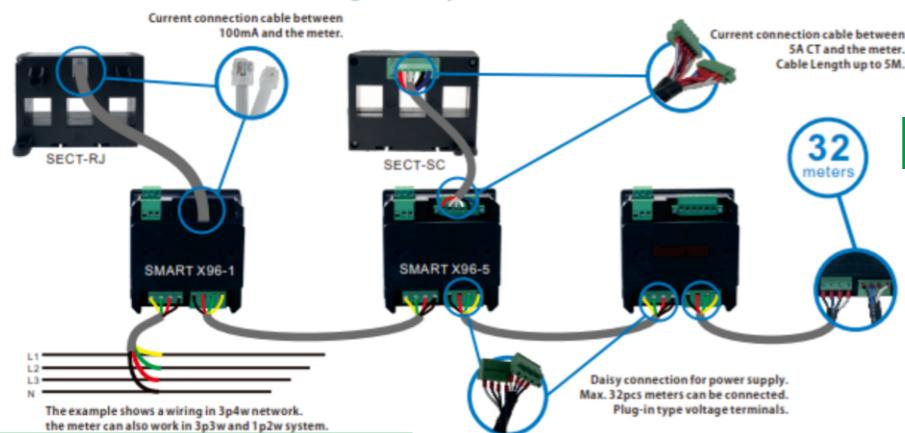
Application

DIGITAL METER TECHNOLOGY INTERNATIONAL, Ltd produces **DMTI - (PM) X96-5J** digital power meter, is a top new-generation intelligent panel meter with built-in interfaces provides RS485. Modbus RTU and Ethernet TCP/IP communication. Digital input and outputs are provided for external signal counting and external device control. 30 type's parameters can be set for alarm. This series is widely used not only in the electricity transmission and power distribution system, but also in the power consumption measurement and analysis in LV/MV Intelligent power grid. The Unit can be used as a gateway for Modbus RTU/TCP. The (PM) X96-5J measures and displays the characteristics of 1P2W, 3P4W and 3P3W supplies, including voltage, frequency, current, power and active and reactive energy, imported or exported, Harmonic, Power factor, Max. Demand etc. Energy is measured in terms of kWh, kVArh and kVAh. Maximum demand current can be measured over preset periods of up to 60minutes. The (PM) X96-5J can be configured to work with a wide range of CTs and PTs, giving the unit a wide range of operation.

Standard Features:

- ✓ Multi - parameter Measurements
- ✓ Up to 63 THD and IHD
- ✓ RS485 Modbus RTU
- ✓ Ethernet TCP Gateway
- ✓ Multi - tariffs
- ✓ Digital Input / Output
- ✓ Accuracy Class 0.5s / 0.2s
- ✓ Bar Graph for Power Indication
- ✓ Backlit LCD Display for Full Viewing Angles
- ✓ Push - in Installation and Plug- in Connection

“Plug-in Play Solution”

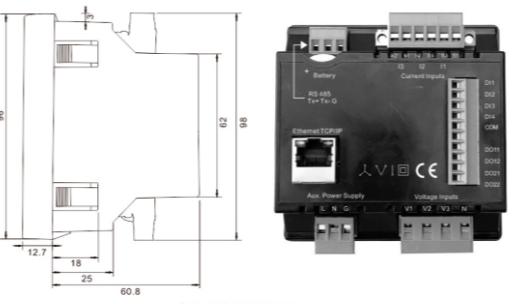


DMTI (PM) X96-5J

Smart Multifunction Power Analyser

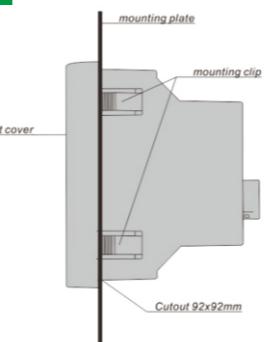


Dimensions



96mm (H) x 98mm (W) x 60.8mm (D)

Mounting



Battery Replacement



Electrical Characteristics:

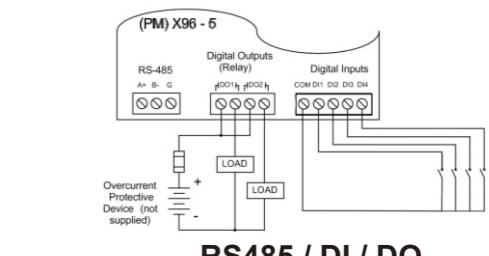
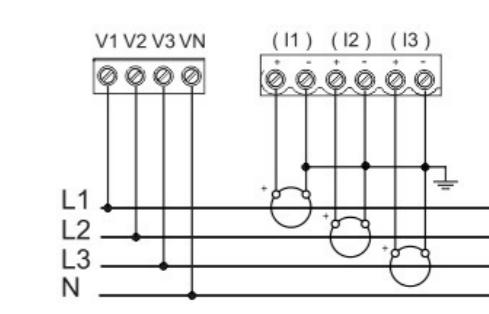
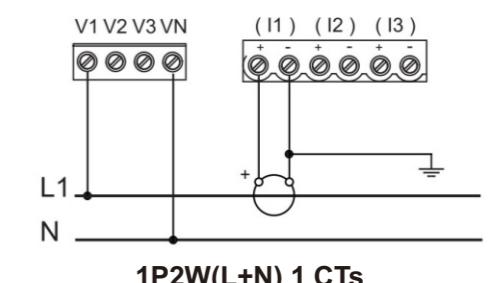
Type of measurement	RMS including harmonics on 3phase AC system (3P, 3P+N)128 samples per cycle
Input-Voltage	
Input-Voltage	100~500000V ac
Un	230 V L-N
Measured Voltage with Over-range & Crest Factor	100 to 480VAC L-L 100 to 276Vac L-N
Permanent Overload	490V L-L 280V L-N
Impedance	1M Ω
Frequency Range	45~66Hz
Input- Current	
CT Ratings	Primary: 1~9999A Secondary: 1A / 5A
Measured current with Over-range & Crest Factor	5mA~6A
Withstand	Continuous 8A 120A for 0.5Seconds
Frequency Range	45~66Hz
Burden	<0.036VA at 6A
Auxiliary Power Supply	
Operating Range	65~480V AC / 80~660V DC
Power Consumption	< 7VA/3.5W
Frequency	45 to 65 Hz
Digital output	
Number/Type	2 - electromagnetic relay
Output Frequency	1 Hz maximum
Switching Current	250VAC at 3.0 Amps,100kcycles
Isolation	2.5kV AC for 1min
Digital input	
Number	4
Input Resistance	10kΩ
Maximum Frequency	1kHz
Response Time	10 milliseconds
Isolation	2.5 KVAC for 1min

DMTI (PM) X96-5J Specification

Measurement accuracy:

Power	IEC 61557-12 Class 0.5
Active Energy	IEC 62053-22 Class 0.5S/0.2S
Reactive Energy	IEC62053-23 Class 2
Frequency	IEC61557-12 Class 2
Current	±0.1%
Voltage	±0.2%
Power Factor	±0.01
Harmonic Distortion	2

Wiring Diagram:



For further information, please contact:
PT. MAM Internasional
 Graha Permata Pancoran Kav. A 8-9
 Jl. Raya Pasar Minggu No. 32
 Jakarta Selatan 12780 - Indonesia

Phone: + 62 21 799 7017
 Fax: + 62 21 799 7005
 Mobile: 0812 8539 1060 (Marlan WS)
 0821 2505 9250 (Warsidi)

Email: sales@mam-corporation.com
 Website: http://mam-corporation.com

To get more than a meter

To get more than a meter