



## PRODUCT DATA SHEET

WPM11416

### Instantaneous & Simultaneous

- Local and/or Remote Monitoring
- Forward Power Reading/Monitoring (Watts or dBm)
- Reverse Power Reading/Monitoring (Watts or dBm)
- VSWR Readings (Watts, Return Loss, Rho)

### VSWR Alarm

- Customer can set up audio/visual alarm via relay contacts.
- Signal sent to closed loop.

### Temperature Monitoring (with alarm)

- One sensor, internal measurement, within Power Meter.
- One sensor, external measurement, to be placed by customer.

### General Purpose Inputs (6 ea) Multiple Use

- Track switch closures (assign to interlock group).
- Trigger alarm relay (sends email alert).
- RF presence status/alarm (safety feature).
- Alarm, activated switch.

### Accessories:

- Single Channel and Multi-Channel Displays
- RF Digital Dashboard Spreadsheet Software, (Simultaneously Monitor Outputs of 30+ Power Meters)
- PC Based Graphical User Interface Windows XP/7/8/10 Compatible

### Accuracy:

- $\pm 2\%$  to Customer Calibration Standard, at preselected frequencies.
- $\pm 5\%$  over a Multi-Octave Bandwidth
- Werlatone Calibration Traceable to (NIST) National Institute of Standards and Technology

### Power:

- AC Power Adapter (100/240 50-60 Hertz V AC)
- POE (Passive Over Ethernet, Optional POE Injector Kit Available)
- Via RS485 (Via Single Channel or Multi-Channel Displays)

### Interface (Via):

- TCP/IP - SNMP and Browser Interface via Local Area Network
- RS232, Serial
- RS485 - Form Addressable Serial Network
- User ID and Password Protected for Access and Control
- Multiple units can be Networked and Simultaneously Monitored On-Site or Remotely (TCP/IP/SNMP/Serial)

RoHS Compliant Design Available  
Custom Connector Configurations Available

### Electrical Specifications:

Frequency: 10 - 300 MHz  
Power: 10,000 W CW

### 13.56 MHz Test: Calibration Points

-5%	Center Frequency	+5%
12.882 MHz	13.56 MHz	14.238 MHz

### 60 MHz Test: Calibration Points

-5%	Center Frequency	+5%
57 MHz	60 MHz	63 MHz

### Mechanical Specifications:

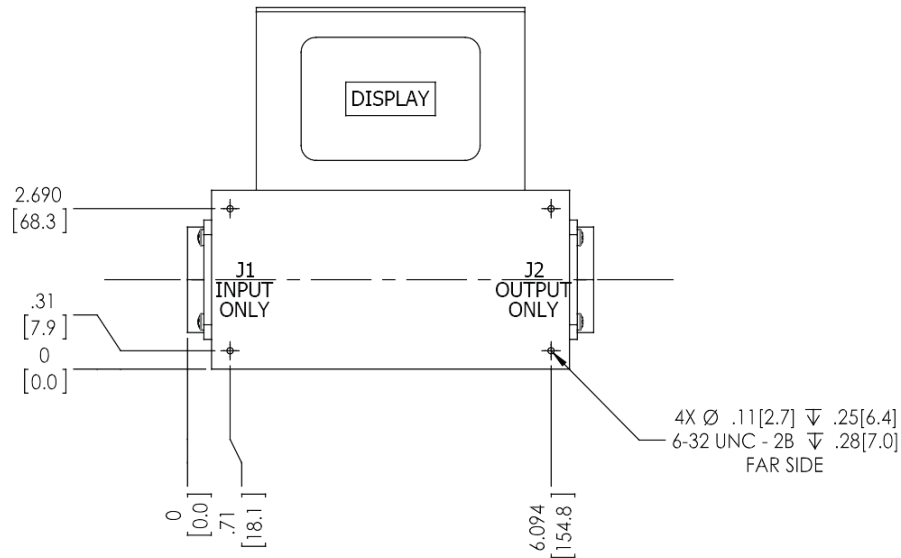
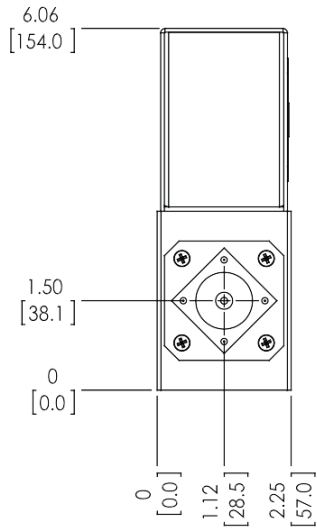
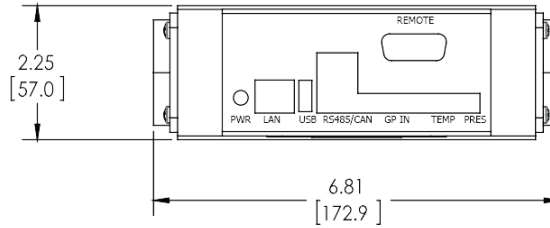
Type: Connectorized  
Operating Temperature: -55°C to +75°C  
Storage Temperature: -60°C to +85°C  
Size: 6.0 x 3.0 x 2.24"

### Connector Configurations:

Model	Input(J1)	Output(J2)
WPM11416-501	SQS Female	SQS Female
WPM11416-7502	SQS Male	SQS Female
WPM11416-QC-3	QC Block	QC Block

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REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	2/12/2018	CS



UNLESS OTHERWISE SPECIFIED		OWN	DATE	<b>WERLATONE</b> SINCE 1965 17 Jon Barrett Rd Patterson, NY 12563
<ul style="list-style-type: none"> <li>• INTERPRET DRAWING IN ACCORDANCE WITH MIL-STD-100</li> <li>• DIMENSIONING PER ASME Y14.5M-2009</li> <li>• PARENTHESES ARE IN INCHES (mm)</li> <li>• DIMENSIONS ARE IN INCHES (mm)</li> <li>• DIMENSIONAL UNITS APPLY BEFORE PROCESSES</li> <li>• TOLERANCES:               <ul style="list-style-type: none"> <li>ANGLES ± .2°</li> <li>3 PL ± .005 (.13)</li> <li>2 PL ± .015 (.4)</li> </ul> </li> <li>• REMOVE ALL BURRS AND SHARP EDGES 0.01 MAX</li> <li>• CONCENTRICITY MACHINED DIA: .002 FIM</li> <li>• MACHINE TOOL DEVIATION: .003 MAX</li> </ul>		FLP	2/9/2018	
		CHK	DATE	TITLE
		CS	2/9/2018	
		ENGR	DATE	SIZE CAGE CODE DWG NO <b>B 28812 21583-500</b>
		PPGR	DATE	
		QA	DATE	REV
		RLSE	DATE	-
APPLICATION		THIRD ANGLE PROJECTION		SCALE
NEXT ASSY USED ON				1:2
				SHEET 1 OF 1

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