WERLATONE

Model WPM11416
Coaxial Power Meters

PRODUCT DATA SHEET **WPM11416**

Instantaneous & Simultaneous
• Local and/or Remote Monitoring
• Forward Power Reading/Monitoring (Watts or dBm)
• Reverese 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:
• ± 2% to Customer Calibration Standard, at preselected frequenices.
• ± 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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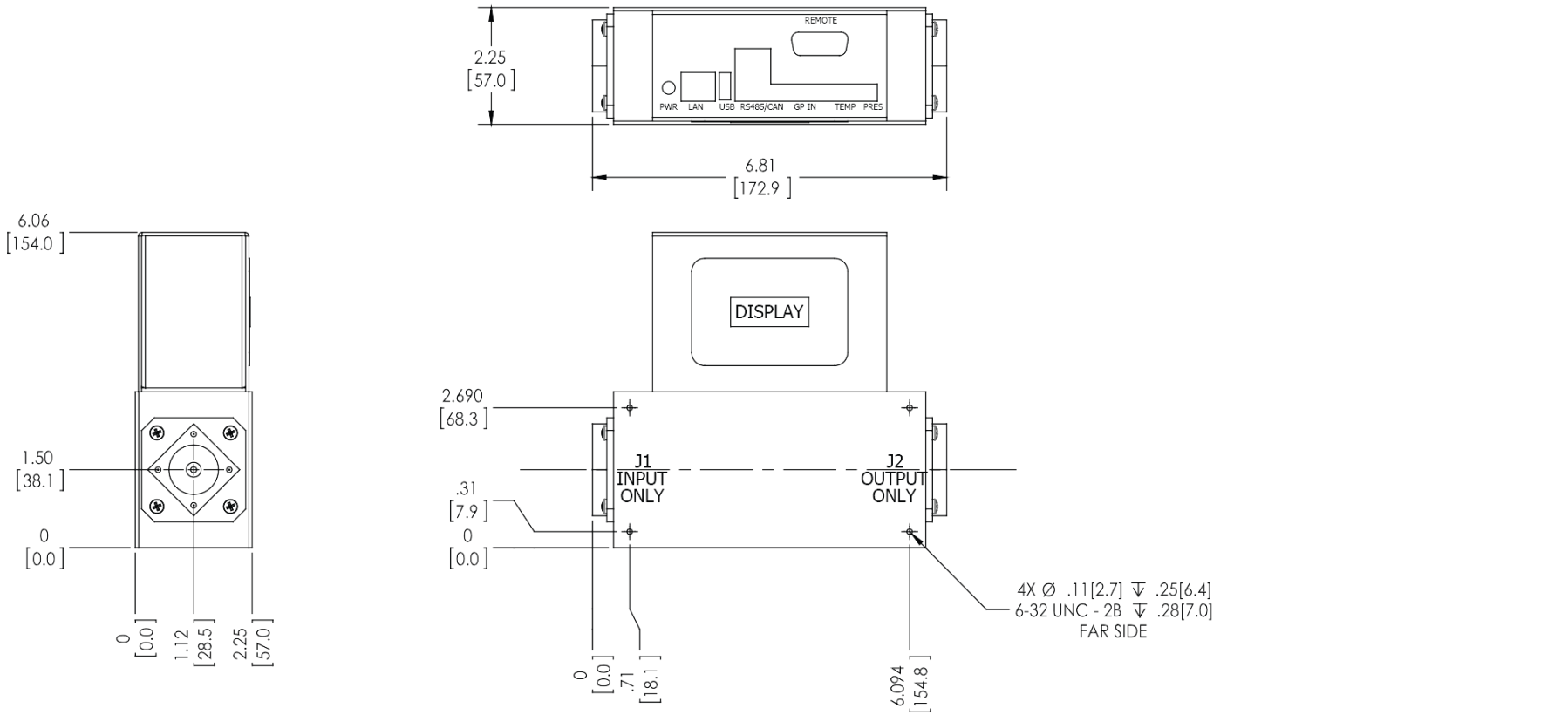
REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	2/12/2018	CS



	WPM11416
NEXT ASSY	USED ON
APPLICATION	

UNLESS OTHERWISE SPECIFIED
- INTERPRET DRAWING IAW MIL-STD-100
- DIMENSIONING PER ASME Y14.5M-2009
- PARENTHETICAL INFO FOR REF ONLY
- DIMENSIONS ARE IN INCHES [mm]
- DIMENSIONAL LIMITS APPLY BEFORE PROCESSES
- TOLERANCES:
  ANGLES ± 2°
  3 PL ± .005 [.13]
  2 PL ± .015 [.4]
- REMOVE ALL BURRS AND SHARP EDGES 0.01 MAX
- CONCENTRICITY MACHINED DIA: .002 FIM
- MACHINE TOOL MISMATCH .003 MAX

THIRD ANGLE PROJECTION

		DATE
DWN	PLP	2/9/2018
CHK		DATE
	CS	2/9/2018
ENGR		DATE
MFGR		DATE
QA		DATE
RLSE		DATE

WERLATONE SINCE 1965
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Patterson, NY 12563

TITLE

SIZE	CAGE CODE	DWG NO	REV
B	28812	21583-500	-

SCALE 1:2 SHEET 1 OF 1