WERLATONE

Model WPM11714
Coaxial Power Meters



PRODUCT DATA SHEET **WPM11714**

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 (saftey 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 frequencies.
- ± 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:	2 - 45 MHz
Power:	25,000 W CW

Mechanical Specifications:

Type:	Connectorized
Operating Temperature:	-55°C to +75°C
Storage Temperature:	-60°C to +85°C

Connector Configurations:

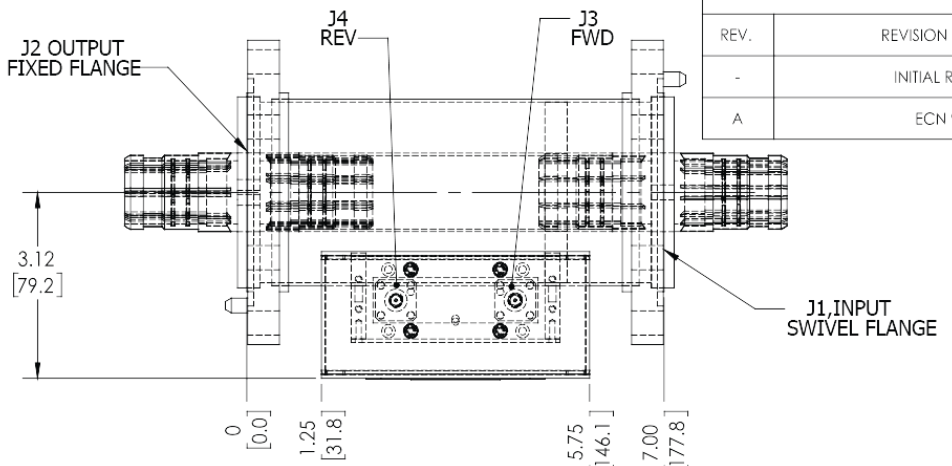
Model	Input(J1)	Output(J2)
WPM11714-93	3 1/8" EIA	3 1/8" EIA

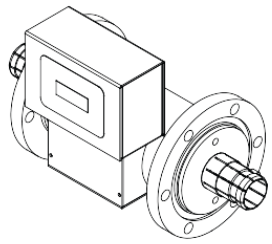
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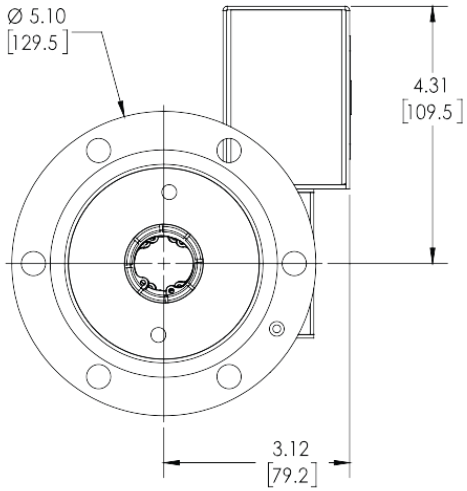
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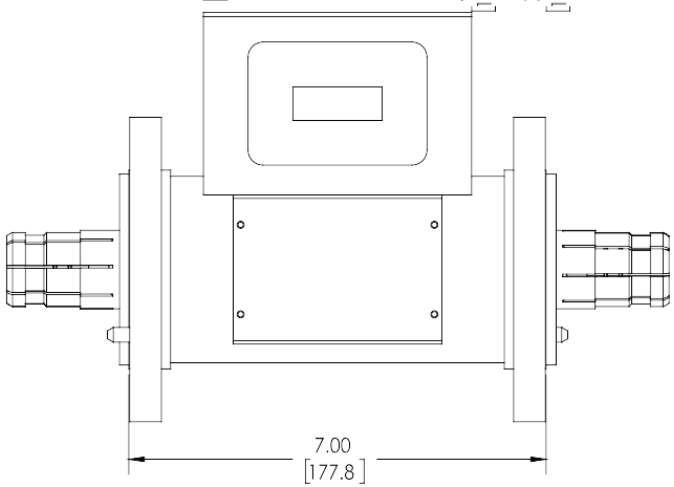
REVISION HISTORY			
REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL RELEASE	7/24/2015	CS
A	ECN 9654	9/7/2018	CS





VIEW FOR REFERENCE ONLY





NOTES: UNLESS OTHERWISE SPECIFIED
1. **MAT'L: CUSTOM 3 1/8 EIA TRANSMISSION LINE SECTION WITH CAPTIVATED MAINLINE**
2. **CONNECTORS: J1- J2: 3 1/8 (FEMALE)**
   J3- J4: SMA (FEMALE)
3. **DEBURR AND BREAK ALL SHARP EDGES**

	WPM11514
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

DWN	PLP	7/24/2015
CHK	CS	
ENGR		
MFGR		
QA		
RLSE		

WERLATONE SINCE 1965
17 Jon Barrett Rd
Patterson, NY 12563

TITLE: OUTLINE

SIZE	CAGE CODE	DWG NO	REV
B	28812	21340-501	A

SCALE 1:4 SHEET 1 OF 1

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