



## SYDOR Beam Position Electrometer (BPMem)

Sydor Instruments' bench top Beam Position Electrometer (BPMem) provides the user the ability to monitor current for up to four different sources at once. It is ideal for accurate current measurements of diamond beam monitors, foil monitors, ion chambers and diodes.

PERFORMANCE PARAMETERS	SYDOR BEAM POSITION ELECTROMETER (BPMem)
Inputs	4 SMA Connectors
Current Ranges	10 pA to 1 $\mu$ A
Dynamic Range	20 bits
Programmable Gain	8 different gain selections
Programmable Gate Time	320 $\mu$ s to 1 s
Acquisition Speed	2.5 kSamples/s (max)
Trigger	Internal
Bias Voltage Supply	0 V to +20 V
Polarity	Unipolar
<b>DATA PROCESSING</b>	
Interface	EPICS soft IOC
Outputs	Current measurement data
<b>DATA COMMUNICATION</b>	
Ethernet	1 Ethernet Port 10/100/1000 Mb (RJ45 connector)
<b>POWER REQUIREMENT</b>	
Input	110-220 VAC, 50-60 Hz
Power Consumption	< 50 W
<b>ENCLOSURE</b>	
Bench Top Enclosure Dimensions	7.125"W x 2.345"H x 7.25"L

Specifications subject to change at any time