



SYDOR SI-EP-B4 4 Channel Electrometer

Sydor Instruments' bench top 4 Channel Electrometer 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 4 CHANNEL ELECTROMETER
Inputs	4 SMA Connectors
Current Ranges	10 pA to 1 μ A
Dynamic Range	20 bits
Programmable Gain	8 different gain selections
Programmable Gate Time	320 μ s to 1 s
Acquisition Speed	2.5 kSamples/s (max)
Noise Specification	< TBD pA or TBD ppm
Accuracy	\pm TBD percent of full scale measurement range
Trigger	Internal
Bias Voltage Supply	0 V to +20 V
Polarity	Unipolar
DATA PROCESSING	
Interface	EPICS soft IOC
Outputs	Current measurement data
DATA COMMUNICATION	
Ethernet	1 Ethernet Port 10/100/1000 Mb (RJ45 connector)
POWER REQUIREMENT	
Input	110-220 VAC, 50-60 Hz
Power Consumption	< 50 W
ENCLOSURE	
Bench Top Enclosure Dimensions	7.125"W x 2.345"H x 7.25"L

Specifications subject to change at any time