

Description

The MicroAnalog2 auto zero module adds auto balance capability to the microanalog 2 system. It provides an auto zero control for all the FE-366-TA modules fitted to the rack based on a single pushbutton action. (pushbutton contacts are also available on the multiway connector at the rear of the rack to allow remote equipment to initiate the auto-zero.) When the push button is operated, the module looks at the analogue output of each module and applies an offset signal to drive that output to 0 V. The module features non-volatile storage so that offsets are retained during power down. The auto-zero has an averaging capability to allow auto-zeroing to take place when time varying signals are present on the channels being zeroed.

Specification

Controls	AZ Pushbutton	Pushbutton mounted on front edge of card.
	Remote AZ	Opto-isolated signal from remote equipment.
Jumpers	System Select	Selects the FE-MM8, FE-MM16, or FE-MM40 system.
	Write Protect	When present the system does not overwrite the offsets stored in Non-Volatile memory.
	Max Channels.	Jumper area which defines the number of channels to be auto-zeroed.
Indicators	Auto-Zero in progress	Front panel LED is illuminated (Red) while auto-zero is in progress.
Operating Time	(for 40 channels)	45 seconds maximum.
Averaging Capability		Unaffected by 50 Hz 1 V pk-pk outputs.
Environment	Temp. Range	0°C to 50°C operating
Physical	Card size	7" x 2.65". 2U high format (180 mm x 67 mm).