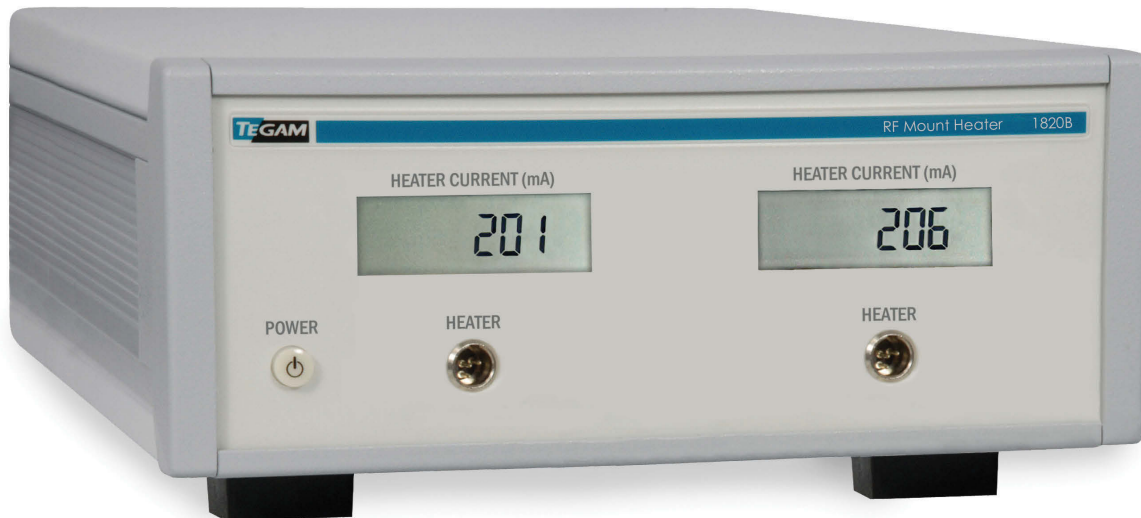


RF Mount Temperature Controller



- Keeps RF Mounts at operating temperature
- Improves system readings
- Provides constant, regulated temperature control to one or two mounts
- One-year warranty

The Model 1820B RF Mount Temperature Controller provides a stable power source for one or two Precision RF Coaxial Power Standards (mounts). The Model 1820B maintains the mount at operating temperature, reducing warm up time. The operator can leave the mounts connected and they remain at operating temperature ready for connection to the Model 1830A RF Power Meter at any time to begin taking measurements.

The 1820B is an economical alternate to additional power meters, providing a stable source to the mount's internal thermal coils which is essential for thermistor temperature elevation. This is critical for RF Mount stability and performance. This unit is compatible with all TEGAM RF Power Standards when used with the optional temperature control cable.

The 1820B is designed to be used on the bench or in a rack. Two mounts can be placed either on top of, behind or beside the unit. An easy-to-follow manual provides step-by-step instructions on its operation and maintenance.



Specifications

Temperature Controller

Bias Power Temperature Sensitivity	2 μ W/°C per hour
Mount Warm-Up Time	2 hours
Ambient Temperature Dynamic Range	+12 °C to +40 °C (+54 °F to +104 °F)
Internal Mount Temperature	+60 °C (140 °F) nominal (depends on mount design and adjustments)
Warm-Up Drive (saturated)	8-10 V @ 200 mA minimum
Indicator	Current, mA
Accuracy, Current Measurement	± (2.0% of reading + 3 counts)

Temperature Range

Operating	0 °C to +55 °C (+32 °F to +131 °F)
Storage	-40 °C to +75 °C (-40 °F to +167 °F)

Connectors 2 x 4 pin miniature microphone (audio) connector

Power Requirements 100 to 240 VAC, 47 to 63Hz, 100 VA max

Weight 2.0 kg (4.4 lb)

Physical Dimensions 2U ½ Rack 8.89 cm x 21.59 cm x 33.02 cm (3.5 in x 8.5 in x 13 in)

Included Accessories

- Power Cord
- Manual

Optional Accessories

Single Rack Mount Kit	P/N 1830-910
Dual Rack Mount Kit	P/N 1830-911
Cable, Small to Large Heater, 15"	P/N CA-10-15
Cable, Small to Large Heater, 48"	P/N CA-10-48
Cable, Small to Small Heater, 15"	P/N CA-11-15
Cable, Small to Small Heater, 48"	P/N CA-11-48
Cable, Voltage Bias and Small Heater to 15XX/25XX, 15"	P/N CA-21-15
Cable, Voltage Bias and Small Heater to 15XX/25XX, 48"	P/N CA-21-48