

LNB Power Supply with LNB Current Monitoring



The ETL Model 2745 LNB power supply offers direct DC injection with L-band loop-through in an integrated unit for powering up to 16 LNB's. It also continuously monitors each of the LNB currents supplied and triggers an alarm if this current is more than 20% above or below the normal levels for that LNB.



The tri-state LED's on the front panel normally show green but change to red or orange if the LNB current goes 20% above or below the set levels. The unit also has a serial port which can be linked to an M & C system for current reporting, system control and alarms.

The DC injection modules or bias tees are mounted externally on the rear of the shelf and can be changed out in the event of a failure. This model is supplied with 75 ohm F-type connectors and 18V LNB bias. Other options are available.



RESILIENCE FLEXIBILITY RF PERFORMANCE

Technical Specifications



• RF Parameters

Capacity	Up to 16 LNB's
Frequency Range	850-2150 MHz
Insertion Loss	1dB nominal
Flatness	±0.75dB
Input Return Loss	>12dB
Output Return Loss	>12dB
Noise Figure	9dB

• System Control

Remote Connection	Configurable serial port RS232 or RS485 (or RJ45 extra cost option)
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• Environmental

Operating Temperature	0 to 45°C
Location	Indoor Use Only
Storage Temperature	-20°C to +75°C
Humidity	20-90% Non Condensing

• Physical

Connectors	F-type, N-type, SMA or BNC
Impedance	75Ω or 50Ω
Dimensions	3U x 350mm x 19"
Weight	12 Kgs
Colour	Light grey (RAL 7035)

• Power

Power Requirement	90/264V AC, 100W, 50/60 Hz
LNB Power	18V DC, 500 mA, fused

• Key Features

LNB Current Monitoring	Via tri-state LED's
DC Injection Modules	Hot-swappable
PSU Modules	Hot-swappable and dual redundant
Mains Inlets	Dual
Serial Output	LNB status and current
Alarms	PSU failure
Model Number	Suffix to reflect connectors and impedance – B7 etc



ETL Model Number – 2745



ETL Systems develop, design and manufacture specialist equipment for satellite ground stations. For a fuller description of the ETL product range, please visit our website. This range can be used as the basis to meet your specific demands.

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