

# Beacon Receiver



## TECHNICAL SPECIFICATIONS



The iNetVu BR300L 19" rack mount Beacon Receiver is a high performance unit designed to track the power density of a satellite beacon in real time. It supplies a DC voltage output that is linearly proportional to the beacon power by utilizing a true, RMS - responding power detector.

The BR300L has been specifically designed to work seamlessly with all iNetVu controllers and antenna platforms.

### System Specifications

Input Frequency	930 MHz - 2300 MHz
Pre-detection Bandwidth	50 kHz
Input Level	- 90 dBm (min), -30 dBm (max)
Frequency Tuning	10 kHz steps
Frequency Adjust	Front panel or remotely
AFC	± 23 kHz
Threshold	45 dB-Hz, for acquisition
Input Impedance	75 Ohm
Input Connector	Type F, Female
Output Impedance	100 Ohm, Single ended
Output Connector	Terminal Plug & BNC Female
Tracking Gradient	0.5 V/dB
Tracking Response	0 to +10 VDC
System Level Range	60 dB
System Level Adjust	0 to 60 dB, 0.5 dB Steps
Frequency Stability	<1 ppm, 0° c to +50° c
Frequency Reference	10 MHz (Internal)

Phase Noise	>75 dB-Hz, 1 kHz from Carrier
Alarms	Unit Lock
Alarm Relay	Form-C
External LNB Power	+18 VDC, Switched, In/Out, 500ma, max
Front Panel Display	Vacuum Flourescent
M & C	RS-232 or RS-422/485 switched on rear panel
M & C Connector	DB-9, Female

### Environmental Specifications

Operating Temperature	0° c to +50° c
Storage Temperature	-40° c to +70° c
Humidity	95% RH @ 40° c

### Physical Specifications

Size	1.75" H X 16" D X 19" W
Weight	8 lb. (3.63 Kg)
Primary Power	90-264 VAC 47 - 63Hz, 1.4A Autosensing

### Warranty

Standard	2 years
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**Note:** For input impedance and input connector, 50 Ohm N or SMA Type is available.