

Beacon Receiver BR400L

iNetVu®
by C-COM Satellite Systems Inc.

TECHNICAL SPECIFICATIONS

The iNetVu® BR400L 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 strength of the beacon signal. The BR400L has been specifically designed to work seamlessly with all iNetVu® controllers and antenna platforms.



System

Input Frequency	950 - 2200 MHz
Pre-detection Bandwidth	±100kHz
Input Power Level	- 105 dBm (Min.) to -20 dBm (Max.)
Frequency Tuning	10 KHz steps
Threshold	C/N ₀ ≤ 40 dBc/Hz
Input Impedance	75 Ohm (Optional 50 Ohm) ⁽¹⁾
Input Connector	Type F, Female STD (N-type Female Optional)
Frequency Stability	± 1.0 ppm
AGC Voltage	0 to +10 VDC
Signal Stability	≤ 0.2dB
Phase Noise	-97 dBc/Hz@10kHz
M & C	RS-232 @ 19200BPS
M & C Connector	DB-9, Male
Locking/Capture Time	4ms (Typical)
Streaming	DB-9, Female, (optional)

Environmental

Operating Temperature	-20° to +60° C
Storage Temperature	-40° to +80° C
Humidity	90% RH non-condensing

Physical

Size	4.5 cm (1.75") H; 34 cm (13.5") D 48 cm (19") W
Weight	5 kg (11lbs)
Primary Power	100-240 VAC 50/60Hz, 6.5A Autosensing
Power Consumption	≤ 2.5W

Certification

Complies with FCC Part 15 Class B, EN 55022 Class B
CE Approvals for Emission & Immunity Standards

Shipping dimensions

Receiver box:
54 cm x 44 cm x 20 cm (21" x 17" x 8"), 6.3 kg (14 lbs)

Note: ⁽¹⁾ For 50 Ohm/N-Type please order BR400L-N (SMA Type is also available)

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Specifications are subject to change

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