

INPUT SPECIFICATION Options

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|-----------------------------------|------------------------------------|
| 1. Input Range: | 940 – 2,150MHz (check model table) |
| 2. Input connector: | N-type |
| 3. Impedance: | 50Ω |
| 4. Input return loss: | 15dB typical |
| 5. Nominal beacon input level: | -70dBm |
| 6. Maximum beacon input level: | -60dBm |
| 7. Maximum aggregate power level: | -20dBm |

OUTPUT SPECIFICATION

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|-----------------------|---|------------------------------------|
| 8. Range: | ±10V DC | 0V to 10V DC ^(*) (1)(2) |
| 9. Scale: | Logarithmic | |
| 10. Connector: | BNC (also interface connector) | |
| 11. Impedance: | 0Ω (ideal voltage source, maximum current 5mA) | |
| 12. Adjustment range: | Output adjustable to 0V for input power levels from -60dBm to -100dBm | |
| 13. Display: | 16-character alphanumeric LCD | |
| dB mode: | -199.9 to +199.9 | |
| Volts mode: | -9.99 to +9.99 | |

TRANSFER CHARACTERISTICS

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|-----------------------------------|---------------------------------|--------------------------------|
| 14. In/out characteristic: | Log conformal | |
| 15. In/out voltage slope: | 2dB/V | 0.5 to 4dB/V ^(*) |
| 16. Post-detection time constant: | 100ms | 10ms to 10s ^(*) |
| 17. DC voltage adjust: | To 0V for -60dBm to -100dBm | |
| 18. Level meter adjust | To ±199.9 for -60dBm to -100dBm | |
| 19. Step size: | 10kHz | |
| 20. Automatic search: | ±200kHz | ±75kHz to ±1MHz ^(*) |

TRACKING PARAMETERS

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|--|---------|
| 21. PLL noise bandwidth: | 2kHz |
| 22. Threshold for reacquisition of lock: | <43dBHz |
| 23. Average search time: | <1s |

MISCELLANEOUS

- | | |
|-------------------------------|--|
| 24. Power supply: | 115V/230V ±10% |
| | 50/60Hz ±10%, 30VA |
| 25. Mechanical: | 1U 19" frame, 400mm |
| 26. Temperature: | Operating: 0° to 50°C |
| | Storage: -40° to 85°C |
| 27. Relative humidity: | Operating: 0 to 90% |
| | Storage: 0 to 95% |
| 28. Summary alarm: | NO and NC dry relay contacts via rear mounted connector |
| 29. Summary alarm indication: | Through front panel LED and remote interface |
| 30. Remote control: | <ul style="list-style-type: none"> • RS232 or RS422/RS485, connector D-type 9P F • Serial emulation over TCP/IP, connector RJ45 • SNMP and HTTP over TCP/IP Ethernet, connector RJ45 Control: beacon frequency, DC offset
Monitor: beacon frequency, output voltage and alarm status |

MODEL TABLE

Input band	PLL 2kHz, threshold <43dBHz ⁽³⁾	PLL 2kHz, BPSK option threshold <43dBHz ⁽⁴⁾
940 – 1,750MHz	B355	B355A
940 – 2,150MHz	B356	B356A

^(*) These parameters are not field adjustable. To be specified at time of order.

⁽¹⁾ Unipolar – add to model number “-1”. For example B356A-1.

⁽²⁾ Unipolar restricted to +10V DC – add to model number “-2”. For example B356A-2.

⁽³⁾ Models recommended for antenna tracking.

⁽⁴⁾ Models for antenna tracking of NATO / Skynet / DSCS military beacons.