



SE250 NDB Transmitter - Rack Mount

Part Number: SLF33030

SPECIFICATION SHEET

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Indoor 19 in. Rack Cabinet shown

Application:

The SE Series NDB Transmitter uses state of the art technology including a powerful Renesas® Microcontrollers and Analog Devices® Direct Digital Synthesizers to provide accurate beacon signals in power levels ranging from 20 Watts to 250 Watts carrier power.

The SE provides simplified set-up & maintenance procedures, comprehensive BITE, and full Ethernet capability.

Options Include:

- **Ethernet WebWatch Control:** *no additional software.* Full monitoring and control over LAN or Web. (P/N SLF83311)
- Ethernet Copper Extender: extend up to 1 mile (1.6km) (P/N SLF83301)
- Ethernet Fiber Extension: extend up to 1.2 miles (1.9km) for multi-mode (P/N SLF83308) and 12.4 miles (20km) in single mode (P/N SLF83303)
- Remote Control Unit: Up to 4000 ft. via RS-485 for full transmitter monitoring with basic controls. (P/N SLF33090)
- Ethernet Radio Link: utilizes IP67 transceiver and 5.8 GHz planar antenna to allow WebWatch monitoring up to 7 miles (11km) away. (P/N SLF83304)

FEATURE	SPECIFICATION
Frequency	190-650 kHz synthesized (Optionally 190-650, 650-1250, 1500-1800 kHz)
Frequency Tolerance	5ppm TCXO Oscillator standard (Optional 1ppm TCXO)
Power Output	25 - 250 Watts
Noise and Hum Levels	More than 40 dB below the carrier level
Spurious Emission	More than 70 dB below the carrier level
Type of Emission	NON, A2A, A3E
Modulation	Switching modulator/regulator, 0-95%, internal 400 or 1020 Hz, eight baud Keyer, 8 character Identifier max length
Input Power	100 - 264 VAC, single phase 47 - 63 Hz; Optional 48 VDC or both with switch over to batteries
Antenna Connection	Type-N female output
Display	40 character by 4 line LCD
Metering	Power output, reflected power, percent modulation, PA voltage, PA current
Monitoring	Automatic transfer to secondary transmitter if tone, modulation, power or VSWR drift beyond a preset level
Interface	RS485 Barrier block connector for Remote control Unit. Optional RJ-45 Ethernet connections.
Working Conditions	-40°C - +55°C, 0 - 95% Humidity
Height	41 in. (104cm)
Depth	25 in. (62cm)
Width	21 in. (54cm)
Weight	173 lbs. (78kg)

*Information provided is subject to change without notice