



## SE125 NDB Single Transmitter: IP66 Enclosure

Part Number: SLF33300

SPECIFICATION SHEET

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IP66 Weather Enclosure

### 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 10 Watts to 125 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 SLF83313)
- Ethernet Copper Extender: extend up to 1 mile (1.6km) (P/N SLF83301)
- Ethernet Fiber Extension: 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 monitoring with basic controls. (P/N SLF33083)
- 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 digitally synthesized (Optionally 190-650, 650-1250, 1500-1800 kHz)
Frequency Tolerance	5ppm TCXO Oscillator standard (Optional 1ppm TCXO)
Power Output	10 - 125 Watts
Noise and Hum Levels	More than 40 dB below the carrier level
Spurious Emission	More than 65 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 shutdown if tone, modulation, power or VSWR drift beyond a preset level (with dual, it transfers to secondary transmitter)
Interface	Barrier block connector for user selectable RS232/RS485 for Remote Control Unit. Optional RJ-45 Ethernet Connection
Working Conditions	-40°C - +55°C, 0 - 95% Humidity
Height	24 in. (61cm)
Depth	18 in. (45cm)
Width	21 in. (54cm)
Weight	59 lbs. (27kg)

\*Information provided is subject to change without notice