

Southern Avionics Company

SE250 NDB Transmitter - Rack Mount

Part Number: SLF33030

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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:

- <u>Ethernet WebWatch Control</u>: 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*)

Frequency190-650 kHz synthesized (Optionally 190-650, 650-1250, 1500-1800 kHz)Frequency Tolerance5ppm TCXO Oscillator standard (Optional 1ppm TCXO)Power Output25 - 250 WattsNoise and Hum LevelsMore than 40 dB below the carrier levelSpurious EmissionMore than 70 dB below the carrier levelType of EmissionNON, A2A, A3EModulationSwitching modulator/regulator, o-95%, internal 400 or 1020 Hz, eight baud Keyer, 8 character ldentifier max lengthInput Power100 - 264 VAC, single phase 47 - 63 Hz; Optional 48 VDC or both with switch over to batteriesAntenna ConnectionType-N female outputDisplay40 character by 4 line LCDMeteringPower output, reflected power, percent modulation, PA voltage, PA currentMonitoringRS485 Barrier block connector for Remote control Unit. Optional RJ- 45 Ethernet connections.Working Conditions-40°C - +55°C, 0 - 95% HumidityHeight41 in. (104cm)Depth25 in. (62cm)Width21 in. (54cm)Weight173 lbs. (78kg)	FEATURE	SPECIFICATION
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Monitoringtransmitter if tone, modulation, power or VSWR drift beyond a preset levelInterfaceRS485 Barrier block connector for Remote control Unit. Optional RJ- 45 Ethernet connections.Working Conditions-40°C - +55°C, 0 - 95% HumidityHeight41 in. (104cm)Depth25 in. (62cm)Width21 in. (54cm)	Metering	percent modulation, PA voltage,
InterfaceRemote control Unit. Optional RJ- 45 Ethernet connections.Working Conditions-40°C - +55°C, 0 - 95% HumidityHeight41 in. (104cm)Depth25 in. (62cm)Width21 in. (54cm)	Monitoring	transmitter if tone, modulation, power or VSWR drift beyond a
Height 41 in. (104cm) Depth 25 in. (62cm) Width 21 in. (54cm)	Interface	Remote control Unit. Optional RJ-
Depth 25 in. (62cm) Width 21 in. (54cm)	Working Conditions	-40°C - +55°C, 0 - 95% Humidity
Width 21 in. (54cm)	Height	41 in. (104cm)
	Depth	25 in. (62cm)
Weight 173 lbs. (78kg)	Width	21 in. (54cm)
	Weight	173 lbs. (78kg)

*Information provided is subject to change without notice

SPECIFICATION SHEET