

DEBEG 2952

Weather Facsimile Receiver

The new micro-processor controlled, PLL-synthesized weather facsimile receiver DEBEG 2952 with the 8" thermal printer allows the reception and recording of all weather chart programs of the international meteorologic services in the frequency ranges 80 to 160 kHz and 2 to 24 MHz.

The receiver is designed for full automatic operation by the integrated start-stop control, selection of the index of co-operation and recording speed as well as the phase matching facility.

The compact design permits bulkhead or table top mounting. The DEBEG 2952 is easy to install and will be operated from batteries of 12 V or 24 V DC.

Features

- Frequency range 80 to 160 kHz and 2 to 24 MHz
- 273 pre-programmed and up to 200 user-programmable channels
- Programmable control for automatic reception and scheduling
- 8 gradation levels of black for reception of satellite weather charts
- Quiet and high-resolution recording with 8" thermal printer
- High reliability
- Compact design for bulkhead and table top mounting
- Easy to install and simple in operation
- Power supply 12 or 24 V DC



Technical data

The DEBEG 2952 complies with ISO TC 8/SC 18 N90 and fulfils the EMC requirements of IEC 945 (EN 60945)

Channel memory	273 pre-programmed channels 200 channels for user-programming
Programming functions	recording start time, receiving frequency, scanning speed, index of Co-operation
Recording system	linear recording by a thermal head printer
Recording paper	thermo-sensitive paper, type TF50KS-E4, width 216 mm, 30 m per roll
Effective recording width	214 mm
Recording resolution	1712 dots/line, 8 dots/mm
Scanning speed	60, 90, 120, and 240 r.p.m.
Index of Co-operation (IoC)	288 or 576
Half-tone recording	8 gradation levels
Recording control	Automatic or manual for start, stop, scanning speed, and IoC
Power supply	10.8 to 36 V DC, floating ground
Power consumption	24 W at recording
Dimensions	340 x 272 x 131 (W x H x D)
Weight	6.5 kg including paper roll

Receiver

Receiving system	double conversion superheterodyne with PLL frequency synthesizer
Frequency range	80 to 160 kHz and 2 to 23.999 MHz in 0.5 kHz steps
Class of reception	F3C
Sensitivity	≤ 10 µV for the LF band ≤ 2 µV for the HF band
Band width	2.2 kHz at -6 dB
Spurious rejection	≥ 60 dB

Frequency shift

MF band	1900 ± 200 Hz
HF band	1900 ± 400 Hz
Indications	signal strength and tuning indicator
Monitoring	built-in loudspeaker
Audio input impedance for external receiving	3 kΩ