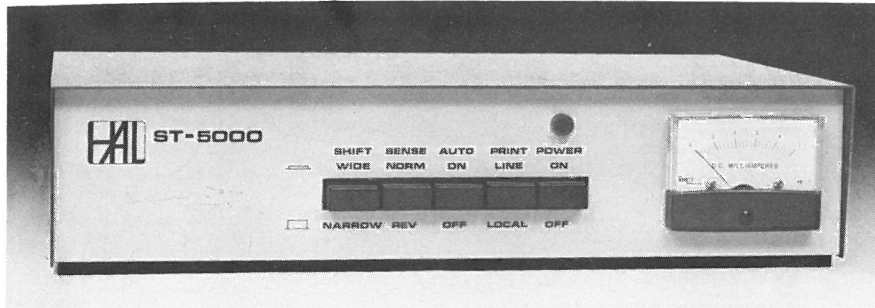


ST-5000 RTTY Demodulator



The HAL ST-5000 Demodulator provides excellent, reliable RTTY performance on both HF and VHF bands. Features such as a hard limiting front end, active discriminator, and active detector make this unit a big value. Wide and narrow shift (850 hz and 170 hz), normal or reverse sense, autostart, self-contained high voltage loop supply, and an audio tone keyer are standard.

SPECIFICATIONS

Input Data and Rate: Serial Baudot or ASCII code, up to 110 baud.

Input Signal: Audio tones in range 1200-3000 Hz.

Input Impedance: 600 ohms, unbalanced.

Output Signals: 60 ma, 175 VDC loop or low-level RS-232C.

Discriminator output to external scope, printer motor AC power, remote standby line.

Autostart Response Time: 2 to 4 seconds

Printer Motor Dropout Time: 20 to 40 seconds

Tuning Indicator: Front panel meter

Frequency of "High-tone" pairs

Shift:	850 Hz	170 Hz
Mark:	2125 Hz	2125 Hz
Space:	2975 Hz	2295 Hz

Frequency of "Low-tone" pairs

Shift:	850 Hz	170 Hz
Mark:	1275 Hz	1275 Hz
Space:	2125 Hz	1445 Hz

CW ID shifts frequency of tone keyer down by 100 Hz.

Tone Keyer Output (Phase coherent audio tones)

Levels: -32 dbm (20 mv nominal), variable from -40 dbm to 0 dbm by internal control.

Impedance: 600 ohm, unbalanced.

Distortion: All harmonics below the 9th harmonic are greater than 30 db down.

The tone keyer is equipped for the same tone pairs as the demodulator.

Cabinet Finish: Light beige bottom, front, and rear panel. Textured blue top and side panels.

Cabinet Style: Table mount.

Size: 2.75H × 8D × 12W (inches)
7,0H × 20,3D × 30,5W (cm)

Weight: 6.0 lbs. (2,73 kg) net, 9.0 lbs. (4,10 kg) shipping.

Power: 105-125 VAC (210-250 VAC optional) 50-60 Hz 20 watts.

A written copy of the applicable warranty may be obtained free of charge upon request. Specifications subject to change without notice.



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