



HAL Communications Corp.
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SPT-1 SPECTRA-TUNE® MULTI-MODE TUNING INDICATOR



The HAL SPT-1 SPECTRA-TUNE® Multi-Mode Tuning Indicator permits quick and accurate tuning of RTTY-High Tones, RTTY-Low Tones, Facsimile (FAX), Slow-Scan Television (SSTV) and Morse Code (CW) signals. The frequency spectra of the received signal is displayed on a calibrated 40-segment red LED bar graph. The front panel calibration control allows the selection of which 1000 HZ range from 300 HZ to 3000 HZ is to be displayed. The unit instan-

taneously displays the shift in use (170 Hz, 425 Hz, 850 Hz and non-standard) as well as giving a visual indication of which way to tune the receiver/transceiver for proper tuning.

Since the SPT-1 does not require dedicated scope outputs, it will work with any demodulator, converter or interface. Hook-up is very simple: an audio line and a +12 VDC line are all that is required for operation.

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SPT-1 SPECTRA-TUNE®

SPECIFICATIONS

AUDIO INPUTS:

Rcv Audio: 8-600 ohms
– 60 to + 10 dbm
(0.8 mv to 2.5 RMS)

Cal Audio: 8-600 ohms
– 60 to + 10 dbm
(0.8 mv to 2.5 V RMS)

MODES:

RTTY-HT: Mark-2125 Hz
Displays 2050 Hz to 3025

RTTY-LT: Mark-1275 Hz
Displays 1200 Hz to 2175 Hz

FAX: Black-1500 Hz
Displays 1400 Hz to 2375 Hz

SSTV: Black-1500 Hz
Displays 1400 Hz to 2375 Hz

CW: Center frequency-800 Hz
Displays 300 Hz to 1275 Hz

DISPLAY: 40-segment red LED bar graph with 25 Hz read-out accuracy

FRONT PANEL CONTROLS:

Switches: Toggle switch: Calibrate-On-Off

Control: Potentiometer: Mode selector

INPUT CABLING (SUPPLIED):

One RCV IN audio cable and one CAL IN audio cable each terminated with a phone plug. Cable length: 5 ft.
One DC IN cable with coaxial plug. Cable length: 5 ft.

MECHANICAL:

Dimensions: 6.125" W x 2.500" H x 6.250" D
15.56 cm x 6.35 cm x 15.88 cm

Color: Light gray cabinet with black front panel

Weight: 1.0 lbs. net, 2.0 lbs. shipping
0.45 kg net, 0.90 kg shipping

POWER: 12-15 VDC (13.8 VDC nominal), 90ma DC input

Specifications subject to change without notice.

A written copy of the applicable warranty may be obtained free of charge upon written request.



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