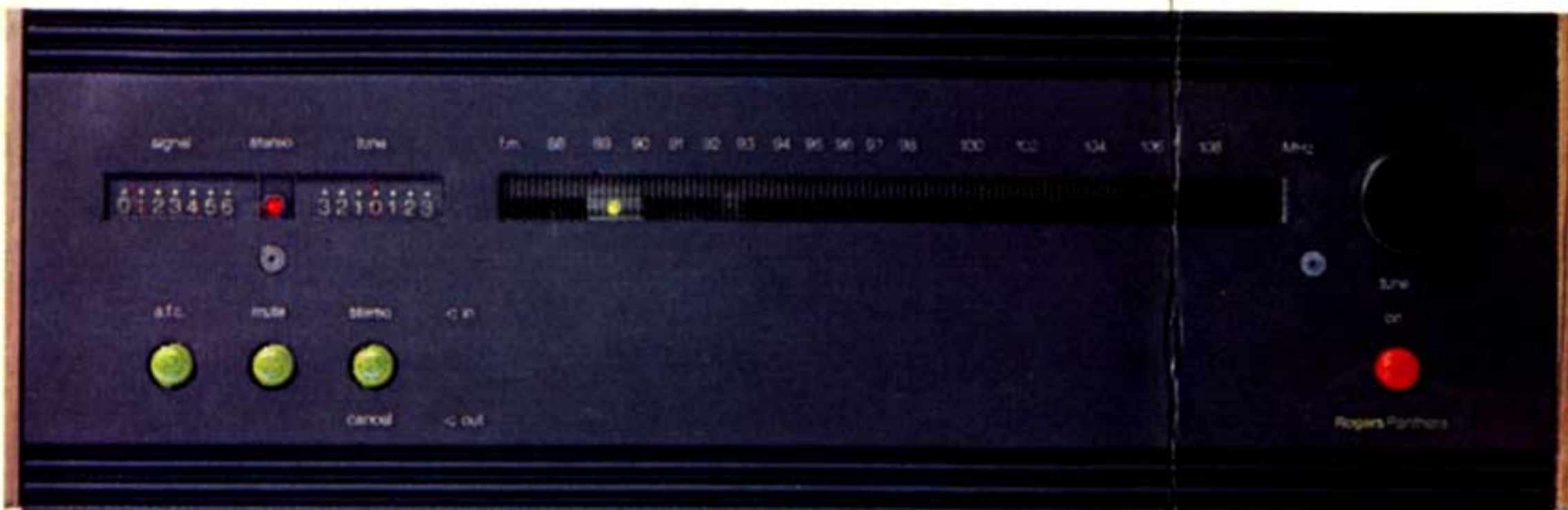


# *Panthera*

T75 P.L.L. Stereo Tuner

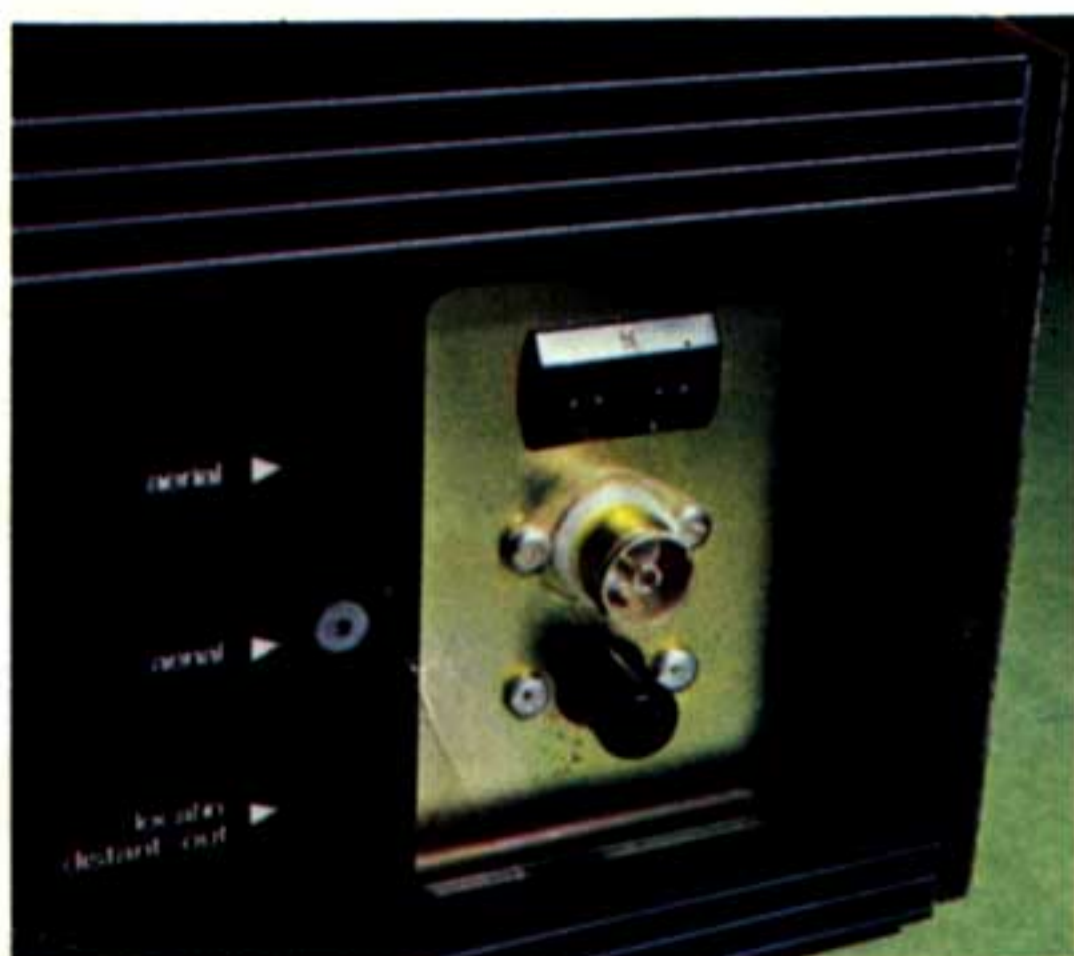


ROGERS

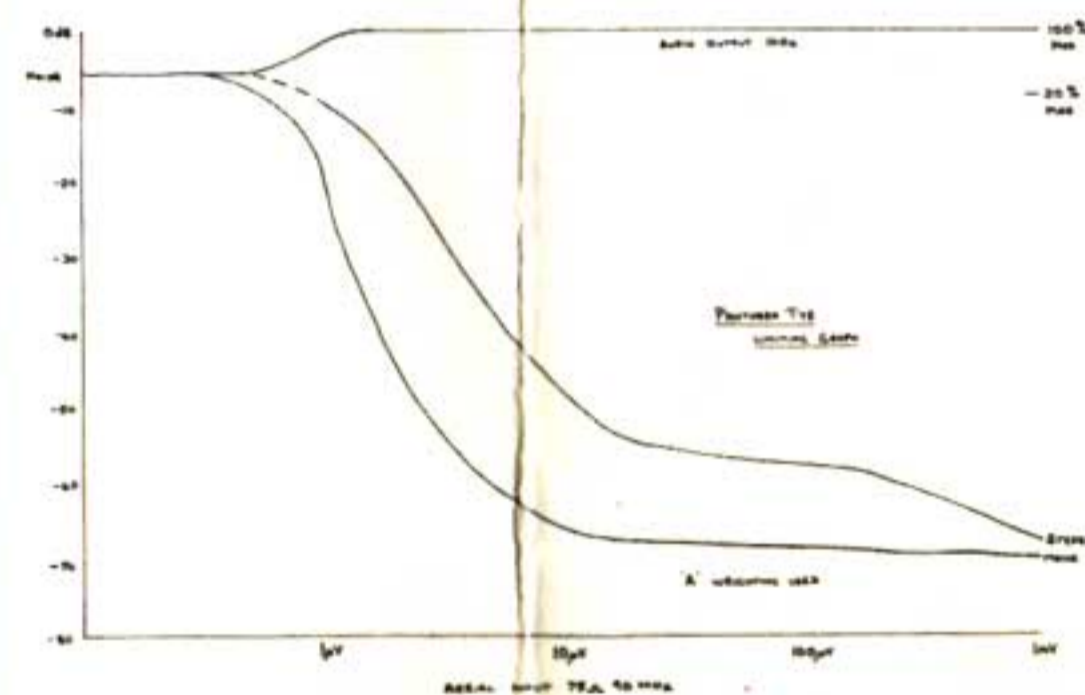


The Panthera T75 Stereo Tuner provides an FM Tuner of superior specification, styled to match the Panthera A75 Integrated Stereo Amplifier.

Developed from the respected and proven Ravensbourne Tuner, the new Panthera Tuner offers additional refinements coupled with predictable precision performance. Circuit techniques include a 4 gang front end incorporating two dual-gate field effect transistors; dual ceramic IF filters using IC techniques; a quadrature detector; a high performance phase lock loop stereo decoder; a stereo beacon employing L.E.D.; switched inter-station noise and A.F.C. circuits; and a fully stabilised power supply.



The unit features sockets enabling connection of either 75 ohm or 300 ohm aerials with the additional facility of a local/distant switch preventing overload in areas of exceptionally high signal strength. Additional features incorporated in the T75 include a mono override facility on the automatic stereo decoder, dual output sockets for different DIN connection configurations, optional interstation noise muting and signal strength indication.



The logarithmic-law Signal Strength Meter and the sensitive, accurate, centre zero Tuning Indicator provide precision indication of operating conditions and incorporate the red L.E.D. stereo beacon.

The superb new styling by Murdoch & Gibbs features a black anodised front panel and is characterised by meticulous attention to detail. End covers finished in Rosewood are available as an optional extra.



Construction and wiring follows the usual high standard which has come to be expected from ROGERS products. Translucent Fibreglass printed circuit boards are used throughout and a remarkably clean and open layout has been achieved. High quality components, conservatively rated, coupled with careful quality control ensure long term reliability, reflected in the unconditional one Year Guarantee covering both materials and labour.

## Technical

**Basic Sensitivity:** 2 $\mu$ V – 20dB Attenuator for Signals >4mV

**Frequency Coverage:** 88-108 MHz

**I.H.F.M. Usable Sensitivity:** 2 $\mu$ V

**Capture Ratio:** 1.5 dB

**AM Suppression:** 50 dB

**I.F. Rejection:** 80dB

**Signal Strength Meter:** Approximately Logarithmic Law 10 $\mu$ V-10mV; 100 $\mu$ V-100mV (20 dB Attenuator in use)

**Frequency Response:**  $\pm$  1 dB 20 Hz-15KHz

**Nominal Output:** (30% Modulation) 200 mV @ 1 KHz

**Total Harmonic Distortion (Mono):** 200 mV O/P, 20 Hz-15 KHz < 0.5%

**Signal to Noise Ratio:** (Ref. 100% Modulation) Mono: 68 dB; Stereo: 65 dB

**Sensitivity for 50 dB S/N Ratio Ref. 30% Mod in Stereo:** Approx. 100 $\mu$ V

**Stereo Separation:** 1 KHz > 40 dB; 50 Hz-6 KHz > 25 dB

**Output Impedance:** Minimum Load Impedance 50 K $\Omega$

*The manufacturers reserve the right to alter specifications without prior notice.*

*ROGERS products are available only through appointed Franchised Dealers.*

# Rogers<sup>®</sup>

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