

# Ruggedized Automatic Antenna Tuner



## Features:

- Automatically matches antennas from 6 to 1600 ohms impedance (SWR up to 32:1)
- Handles 200 Watts SSB/CW
- Tunes in less than 15 seconds, usually less than 5 seconds
- Over 20,000 non-volatile memories for tuner settings
- Eight memory banks with over 2500 memories per bank
- Highly efficient switching L-network matching circuit
- 1.8 to 30 MHz continuous frequency coverage
- Audio SWR meter
- Built-in frequency counter for remembering frequency-specific matching values
- Built-in radio interface circuitry for compatible radios
- Built-in bias tee
- Connectors: Type "N"

## Specifications:

- Impedance matching range: 6 to 1600 ohms
- SWR matching range: Up to 8:1 for < 50 ohms and up to 32:1 for > 50 ohms
- Minimum power for tuning: 2 watts
- Maximum power while tuning: 100 watts with foldback, 20 watts without foldback
- RF power limit: 200 watts SSB/CW
- Frequency range: 1.8 to 30 MHz continuous coverage
- Frequency counter accuracy:  $\pm 1$  kHz across HF bands
- A/D conversion resolution: 8-bit
- Capacitance range: 0 to 3961 pF nominal (256 values)
- Inductance range: 0 to 24.86  $\mu$ H nominal (256 values)
- Relay rating: 10 amp 1000 volts
- Relay electrical life: 100,000 operations
- Relay mechanical life: 10 million operations
- Memory endurance: 1 million erase/write cycles
- Memory data retention: > 200 years
- Power supply requirements: 12-15 volts DC
- Current consumption: 750 mA or less
- Dimensions: 11inL X 7inW X 2.64inH  
279.4mmL X 177.8mmW X 67.05mmH

**HASCALL-DENKE**

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Form F042, Rev: \_

**\*\*Specifications are subject to change without prior notice.  
\*\*All information on this product and the product itself is the property of and is proprietary to Hascall-Denke.**

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3D Reference

H-Plane / Azimuth / Hori.

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