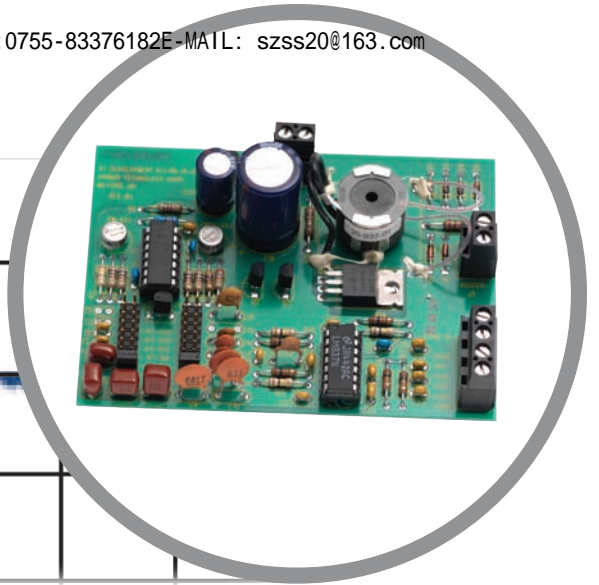
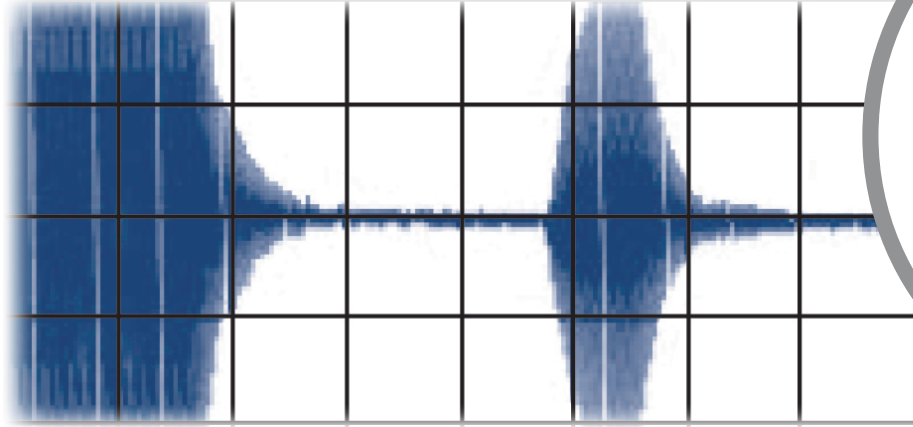


T1



Developer's Module for Evaluation of AIRDUCER™ Transducers

Designed for fast and easy evaluation of Airmar's Ultrasonic Transducers, we are pleased to offer our versatile, T1 Transceiver Module. The entire frequency range of 30 kHz to 300 kHz Airmar transducers can be driven by the T1. With transmit voltage output of 400 V_{pp} and adjustable pulse width and frequency, the suitability of a piezoelectric transducer for a specific application can be clearly assessed.

A selectable receiver gain up to 60 dB allows amplification of echoes and viewing of waveforms on any oscilloscope. The T1 is a compact printed circuit board 77 mm x 102 mm and offers convenient connections to our ultrasonic transducer and your power supply.

SPECIFICATIONS

Transmit Voltage: 400 V_{pp}
Selectable Receiver Gain: 0 dB, 20 dB, 40 dB, or 60 dB
Frequencies: 30 kHz, 41 kHz, 50 kHz, 75 kHz, 120 kHz, 200 kHz, 225 kHz or 300 kHz
Supply Voltage: 12 VDC to 24 VDC
Printed Circuit Board Size: 77 mm x 102 mm

30 kHz - 300 kHz Transceiver Module

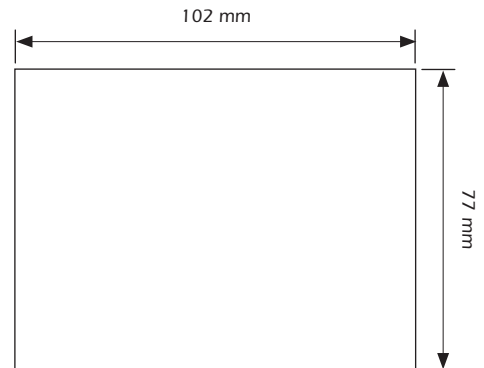
Applications

- Echo-ranging
- Liquid-level detection
- Obstacle avoidance
- Proximity sensing

Features

- Frequency and pulse width adjustable
- Connecting the transducer leads to the T1:
 (+) Blue
 (-) Black

Dimensions



SUNSTAR自动化 <http://www.sensor-ic.com/>



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T1_RF 04/13/09

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