

# Model 38-4 C-Band Mini Tester

35 Hill Ave Fort Walton Beach FL 32548 | PH: 1-888-325-9422 | Fax: 1-850-243-1378 | [www.gomicrosystems.com](http://www.gomicrosystems.com)



## Features

- Small handheld device
- PC Programmable Transmit Frequency
- Includes Antenna, Rechargeable Battery, and Charger

## Applications

- “Go/No-Go” Test C-Band Transponders

## Description

The Micro Systems, Inc. C-Band Mini-Tester (Model 38-4) is a handheld battery powered unit that provides go/no-go testing for the Micro Systems Models 251, 252, and 253 C-Band transponders and the C-Band transponders produced by Herley Lancaster.

The Mini-Tester functions to verify proper transponder operation by interrogating a transponder installed and powered in a systems platform. It is capable of testing compatible transponders at distances of up to 350 feet. Indicator lights verify the transmission of signals and the received reply.

The Mini-Tester is also available as part of a kit that includes Mini-Tester, power supply, programming set, cables, and carry case.

# Technical Specifications

AS9100C and ISO 9001:2008 Certified

## Transmitter

- **Frequency:** 5.4 GHz to 5.9 GHz
- **Frequency Adjustment:** 1.0 MHz steps
- **Frequency Stability:** +/- 5 MHz
- **Pulse Width:** 0.5  $\mu$ sec +/- 0.1  $\mu$ sec
- **Power Output:**  $\geq$  3 Watts
- **PGRF:** 500 Hz (fixed)
- **Pulse Code Spacing:** 2  $\mu$ sec to 16  $\mu$ sec in 1.0  $\mu$ sec steps, or single pulse

## Receiver

- **Frequency:** 5.4 GHz to 5.9 GHz
- **Frequency Adjustment:** Continuous, manually tuned

## Environmental

- **Temperature:** Operating: 0°C to +50°C  
Storage: -20°C to +65°C

## Power Requirements

- **Power Source:** Internal rechargeable battery with separate plug-in charger
- **Battery Life:** 4 hours with 1 test per minute

## Physical

- **Dimension:** 2.50" W x 1.45" T x 6.25" D (excluding knobs)
- **Weight:** 25 ounces

## Options

- **Universal Charger for International Use (reference Model 38-4i)**
- **Carrying Case**
- **Programming Set for programming transmit frequency in the field**



USB Programmer



Carry Case

## Contact us for custom modifications

### For additional information contact:

Micro Systems, Inc.  
35 Hill Ave  
Fort Walton Beach, FL 32547  
PH: 1-888-325-9422  
FAX: 1-850-243-1378  
www.gomicrosystems.com

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