Introducing the
SDR-OMNI
All-in-One Avionics Test Set
Tel-Instrument Electronics Corp.

- In business since 1947
- World leader in military, encrypted avionics test sets
- Known for rugged, reliable equipment
- 30+ years of product innovation leading to today’s announcement
World’s First All-in-One Avionics Test Set

SDR -> Software Defined Radio
OMNI -> All, Everything

ALL avionics test functions in ONE tester

Purchase basic OMNI hardware

Purchase Avionics test functions as “APPs” – mix and match as needed

Prototype model shown in photos *
SDR-OMNI Test Set “Apps” – Release 1

TRANSPONDER/ADS-B APP
- ATCRBS
- Mode S
- 1090 MHz ADS-B IN
- 1090 MHz ADS-B OUT
- DME

978 MHz UAT APP
- UAT OUT
- UAT IN

SEPTEMBER 2018

CABLE/ANTENNA APP
- VSWR
- Distance To Fault

SELF-CALIBRATION APP
SDR-OMNI Test Set “Apps” – Release 2

**TRANSPONDER/DME APP**
- ATCRBS
- Mode S
- 1090 MHz ADS-B IN
- 1090 MHz ADS-B OUT
- DME

**978 MHz UAT APP**
- UAT OUT
- UAT IN

**NAV/COMM APP**
- VOR
- ILS (LOC+GS+MB)
- HF/VHF/UHF COMM (AM / FM / SSB)
- ELT (121.5, 243, 406 MHz)
- SELCAL

**CABLE/ANTENNA APP**
- VSWR
- Distance To Fault

**SELF-CALIBRATION APP**

**TCAS I, II / ACAS APP**

**TACAN APP**
SDR-OMNI Test Set “Apps” – Release 3

**TRANSPONDER/DME APP**
- ATCRBS
- Mode S
- 1090 MHz ADS-B IN
- 1090 MHz ADS-B OUT
- DME

**978 MHz UAT APP**
- UAT OUT
- UAT IN

**NAV/COMM APP**
- VOR
- ILS (LOC+GS+MB)
- HF/VHF/UHF COMM (AM / FM / SSB)
- ELT (121.5, 243, 406 MHz)
- SELCAL
- VDL Mode 2

**CABLE/ANTENNA APP**
- VSWR
- Distance To Fault

**SELF-CALIBRATION APP**

**TCAS I, II / ACAS APP**

**TACAN APP**

**GPS APP**
- Position Simulation

SEPTEMBER 2019
# SDR-OMNI Test Set Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range</td>
<td>200 kHz to 2 GHz</td>
</tr>
<tr>
<td>Battery Life</td>
<td>6+ Hours</td>
</tr>
<tr>
<td>Weight</td>
<td>4.5 lbs</td>
</tr>
<tr>
<td>Warranty</td>
<td>2 Years</td>
</tr>
<tr>
<td>Accessories</td>
<td>Directional antenna</td>
</tr>
<tr>
<td></td>
<td>Telescoping antenna</td>
</tr>
<tr>
<td></td>
<td>RF Cable</td>
</tr>
<tr>
<td></td>
<td>VSWR Calibration Kit</td>
</tr>
<tr>
<td></td>
<td>Transit case</td>
</tr>
<tr>
<td>Other</td>
<td>USB port / Wi-Fi</td>
</tr>
<tr>
<td></td>
<td>Audio jack</td>
</tr>
</tbody>
</table>
Small Size and Weight

Tripod Mount  Handheld  Kickstand
Wireless Remote Control from iOS or Android device

SDR-OMNI test set supports remote operation from iOS or Android devices
Test Results are Saved and Shared

Several file formats available for sharing test results
End User Calibration Wizard

Calibration verification App prompts user

Requires signal generator and power meter

Verifies calibration for continued usage
The SDR-OMNI Complements Current TIC Product Line

New ALL-in-One SDR-OMNI

T47-M/5 & TS-4530A

USM-708

TR-220

TR-36
See the SDR-OMNI at AeroExpress Booth 418

Thanks to AeroExpress!

TIC’s exclusive U.S. distributor and calibration/repair facility

Visit AeroExpress at Booth 418