



Testing Made Simple!

AEA Technology, Inc.

Avionics TDR Kit

Ultimate in Hand-held Step TDR Technology is now available in two Avionics Models

Avionics TDR Kit



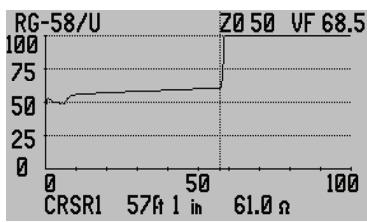
Boeing approved model

Features

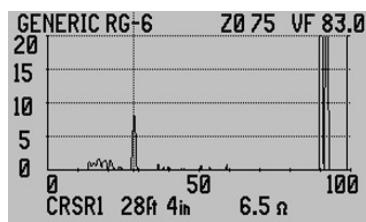
Ranges: from 0-10ft (0-2m) to 20,000 ft (5Km)
 No dead zone on any range setting
 Range Zoom on Cursor
 Impedance zoom using Z Scale
 Cursor reading down to $\pm \frac{1}{2}$ inch ($\pm 8\text{mm}$)
 Cable List with up to 64 avionics cable types
 BNC and RJ45 connectors standard
 Setup Wizard – step-by-step start up assistance
 Context sensitive help
 Cell phone style alpha-numeric entry pad
 Keypad LED indicators for active function
 Cable toning – coax, pairs, or single-wires
 Stores 32 traces with name, date & time
 Rechargeable NiMH AA cells (included)
 ETDR PC Vision software (included)
 Kit Case is ATA rated and MIL-STD tested

Benefits

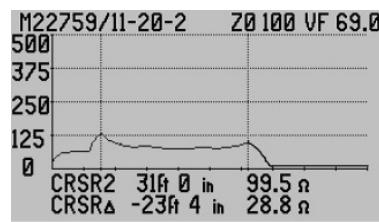
Test coax, twisted pairs, or single-wires in a harness
 Wire-to-wire or wire-to-airframe
 Accurate and clear trace indication of faults
 Kit includes pin an socket test leads for harness
 connectors sizes 12, 16, 20 and 22
 Kit adds secure, but convenient, accessory access with
 anti-FOD layout in ATA 300 Cat 1 rated case
 Save, upload, print or email TDR's traces
 Find faults other TDRs miss - Micro Fault locating
 Clear wiring trouble more quickly with less testing
 Customize, upload, and download Cable Lists
 Saved traces are also saved setups for recall
 Avionics TDR is RF shielded and has both cable
 Noise Detection and Noise Filtering
 Locate coax, pairs, single-wires via Tone Function
 Setup Wizard helps new users and aids training.



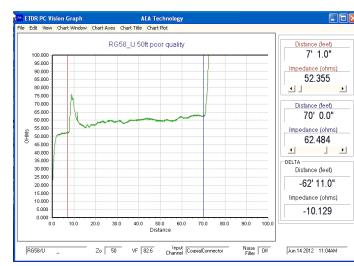
Coax-high impedance (Z) & open far end



Coax crimp using MicroFault locating



Single-wire in harness shorted to airframe



ETDR PC Vision graphical display



Made in USA with
US and global parts

See reverse for ordering information, accessory details,
 Avionics TDR and Avionics Kit's Case specifications

Ordering Information

Avionics TDR Kit

Kit Includes:

Avionics TDR, EMI shielded with BNC and RJ-45 connectors and aviation cable list. Hard carrying case with anti-FOD/easy accessory access layout, belt case, AC power adapter, 8AA NiMH cells (installed), USB Cable. Test leads:

BNC(m)-to-BNC(f) 6ft (2m) 50 Ohm cable

BNC-to-alligator clips

BNC-to-pins, sizes 12, 16, 20, and 22

BNC-to-sockets, sizes 12, 16, 20, and 22

RJ-45-to-RJ-45 6ft (2m) Cat 5 (ISO class D) cable

D) cable

Basic Guide, Quick Start Guide, CD-ROM with ETDR PC Vision software, Operation Manual, Training Presentation, Application Notes, and Calibration Certificate



Avionics TDR

Boeing approved model
Part Number 6021-5154



Pin, Socket, and Alligator Clip Test Leads



Coax Test Lead



RJ45 Test Lead



USB Cable

Key Specifications (visit aeatechnology.com for more)

Max Ranges:	20Kft (5Km) @ .99c or 14Kft (3300m) @ .66c
Min Range:	0-10ft (0-2m)
Range Scales:	11 selectable ranges
Range Acc:	<0.2% ±1 inch (2.5cm) + VF uncertainty
Z Accuracy:	<2% (Cable Z=45 to 125 Ohms)
Resolution:	0.5 inch on 10ft range scale or 10ft Zoom (8mm on 2m range scale or 2m Zoom)
Dead Zone:	Zero on any range setting
Z Ranges:	20, 50, 100, 200, 500, & 1,000 Ohms
Cursors:	2 independent and differential readings
Memory:	32 traces with 1920 data points (feet), 2000 data points (meters), name, date, and time.
Adv Features:	Test Lead Null Micro Fault Locating Setup Wizard - step-by-step setup instructions Context Sensitive Help
Cable List:	64 Cable types with their Z and VF. PC upload or download custom cable lists
Tones:	900/1100Hz warble, 977.5, 850, 577Hz steady or pulsed & Pocket Toner enable
Display:	Quarter VGA transreflective & backlit
Comms:	USB 2/serial
Internal Power:	8 AA NiMH cells (installed) ~7.3 hours continuous operation on single charge (reduced by backlight)
Alternate Cells:	8 AA alkaline, ~ 7 hours continuous operation (reduced by backlight)
External Power:	90-240VAC 50/60Hz adapter to 15VDC

Avionics TDR (continued)

Size:	8.5 x 4.3 x 2.25 inches (216 x 109 x 57mm)
Weight:	2.2 lbs (1Kg) with batteries and belt case
Environmental:	Splash and dust resistant
Ruggedness:	MIL-STD 810G Transient Drop tested, 48 inches (122cm) to hard surface, 26 drops

Avionics TDR Kit's Hard Carrying Case

FOD protection:	Custom foam for item securing and lid label for item ID and locating
Transport:	ATA 300 Category 1 rated
Size:	18.1 x 13.7 x 6.9 inches (48 x 35 x 18 cm)
Weight full:	11.5lbs (5.2Kg) with TDR and all accessories
Environment:	MIL-STD-810F impact damage, UV, solvents, and fungus resistance
	MIL-STD-C4150J waterproof & dust tight
	MIL-STD-648C ambient pressure equalization

CERTIFICATIONS :

CE: EN/IEC 61326-1:2013/2020

EMC: EN/IEC 61010-1:2010 +A1:2016 + C1:2019

Safety: EN/IEC 61010-1:2010 +A1:2016 + C1:2019

Data subject to change without notice



Made in USA with
US and global parts

