

RFCAT™ CABLE TESTER



RAPID, REPEATABLE, RUGGEDIZED TESTING FOR RF TRANSMISSION PATHS

Textron Systems' Radio Frequency Cable Analyzer Tester (RFCAT) allows for on-site testing and maintenance for Radio Frequency (RF) transmission paths within a platform. Using preconfigured databases of sweep parameters and pass/fail criteria, the RFCAT quickly determines the status of installed RF cable. The RFCAT checks each cable's performance characteristics to include Voltage Standing Wave Ratio (VSWR), Insertion Loss (IL), phase and phase matching. If a cable fails a test, the RFCAT automatically determines the Distance-To-Fault (DTF). With its intuitive touchscreen-based user interface and lightweight, ruggedized packaging, the RFCAT is the gold standard for operational-level RF cable test.

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► PUSHING PAST POSSIBLE

EASY TO FOLLOW, STEP-BY-STEP INSTRUCTIONS FOR EACH TEST.

BENEFITS

- > Begin testing in less than five minutes
- > Test on-site without having to rely on a manufacturing or repair facility
- > Test in outdoor and remote locations, regardless of the weather
- > Learn the system quickly and run tests efficiently
- > Maintain history and reports without manually creating records

FEATURES

- > Measurements include:
 - Precision IL
 - VSWR
 - Phase
 - Phase match
 - Distance-to-fault
- > Full 2-port vector error correction
- > Ability to load predetermined database with sweep parameters and pass/fail criteria
- > Intuitive touchscreen Interface with step-by-step instructions

SPECIFICATIONS



WEIGHT

85 lbs
(2-person lift)



DIMENSIONS

Storage & Operational
20 in. x 20 in. x 20 in.



INTERFACE

10.4" LED
touchscreen display
USB 2.0/3.0



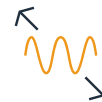
POWER

Internal Battery or
115/220 VAC



WARM UP TIME

3 minutes



FREQUENCY RANGE

10MHz to 26.5GHz



FREQUENCY RESOLUTION

100KHz



PHASE RESOLUTION

0.1°



DISTANCE-TO-FAULT

215 ft. at 2 GHz
115 ft. at 18 GHz
85 ft. at 26.5 GHz

- > IL Range: 0 dB to -70 dB
- > Distance-to-Fault:
 - Resolution: ± 3 in.
- > Temperatures:
 - Operating: -40°C to +49°C (-40°F to +120°F)
 - Storage: -51°C to +71°C (-60°F to +160°F)

