

RFCT RADIO FREQUENCY CABLE TESTER



RAPID, REPEATABLE, RUGGEDIZED TESTING FOR RF TRANSMISSION PATHS

Textron Systems' Radio Frequency Cable Tester (RFCT) 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 RFCT quickly determines the status of installed RF cable. The RFCT 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 RFCT automatically determines the distance-to-fault (DTF). With its intuitive touchscreen-based user interface and lightweight, ruggedized packaging, the RFCT 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

75 lbs operational
77 lbs storage
(2-person lift)



DIMENSIONS

(Storage & Operational)
50.8W x 50.8L x 43.2H cm
(20" x 20" x 17")



INTERFACE

10.4" LED
touchscreen display
USB 2.0/3.0



RF CONNECTIONS

3.5mm SMAv



POWER

Internal Battery or
115/220 VAC



WARM UP TIME

3 minutes



FREQUENCY RESOLUTION

100KHz



PHASE RESOLUTION

0.1°



FREQUENCY RANGE

10MHz to 26.5GHz

- > IL Range: 0 dB to -70 dB
- > IL Measurement Resolution: better than 0.05 dB
- > Distance to Fault Distance: >75 ft
- > 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)

