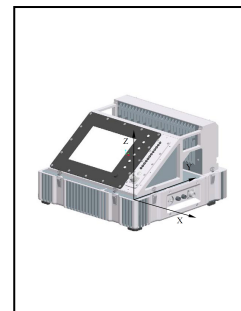


Product DataSheet:

RFCT – Radio Frequency Cable Test

RFCT is a portable test station whose mission is to determine whether the RF transmission lines under test meet the established pass / fail criteria for Voltage Standing Wave Ratio VSWR, Insertion Loss (IL), Insertion Loss Matching (ILM) and phase matching.



Key Specifications:

- Rugged military grade tester for RF aircrafts cables
- Extended range power input 100÷242V 47÷63Hz
- Equipped with Battery pack to work even if the AC line is disconnected, in compliance with MIL-PRF-8565, DOD-B-24541, MILPRF-49450, DOD-STD-1578, W-B-133, or SAE J537
- Vectorial Network Analyzer tester with a full frequency range (10MHz ÷ 26.5GHz) by ANRITSU enclosed to meet the avionic specifications
- Touch screen All-Weather, All-Terrain, Harsh-Duty LCD 10.4" display waterproof (fully submersible)
- Operating temperature [-40 ÷ +120]°F storage [-60 ÷ +160]°F
- Operating Altitudine 10.000ft, Non operating 40.000ft
- IP Grade 65 sand/dust and water isolation
- Fully qualified MIL-STD-810G and MIL-STD-461F
- CE Directive 94/9/EC (ATEX) - Group II/Gas/Zone 2
- Dimensions (h x l x d) 12x19x19 (in)
- Weight 48 (lb)

INPUT POWER

100÷242Vrms 47÷63Hz
100VA max

EMI

Compliant to
MIL-STD-461F:
CE102, RE102, RE103
CS101, CS114, CS115, CS116,
RS103
MIL-STD-1686
ESD tests for RTCA/DO-160D

TEMPERATURE

[-40 ÷ +120] °F operating
[-60 ÷ +160] °F non operating

COOLING

Free air

ENVIRONMENT PROTECTION

Full ruggedizing
Conformal coating

SHOCK & VIBRATION

MIL-STD-810G:
Half sine 30g 6ms over three axis
0÷2kHz transport levels

HUMIDITY

MIL-STD-810G:
5÷95% (120°F) operating
100% [60÷160]°F non operating

SALT FOG

MIL-STD-810G method 509.4

MTBF

6.755 MIL-217F
Naval Unsheltered at 30°C

INDICATORS

Power presence
System status
Battery Charge Status
Sub-module Fail

CONNECTOR

D38999
USB

DIMENSIONS (h x l x d)

12 x 19 x 19 (in)

WEIGHT

48 lb

COMPLIANCE

CE Directive 94/9/EC (ATEX) -
Group II/Gas/Zone 2