Quick Find
SEARCH
Advanced Search

Analyser->
Avionic Test Equipment
Calibration->
Calibration Standards
Communication Test Sets
Data Acquisition & Control
Frequency Counter
Generator->
Hipot
Meter->
Optical Test Equipment->
Oscilloscope->
Power->
RF Microwave->
Telecomms->

IFR ATC600A

Contact us for quote

Click to enlarge

Download this page as a PDF-Document.

Description | Specifications

Product Specifications

IFR ATC600A Transponder Specifications:

Interrogations Output:
Mode: A/C, Altitude or Pilot Code, 2:1 interface, or mode A
Pulse Spacing: P_2 and P_3 variable with respect to P_1 +/-1 µs from nominal for input decoder gate tests
PRF: 235 Hz +/-10%
SLS Test: +/-1.0 dB P_2 inserted at 0 dB or -9 dB relative to P_1
Power: -66 to -79 dBm direct with 34 dB pad +/-1.5 dBm
Reply Measurements:
Power (UUT): 10 W to 1.5 kW peak, +/-20%; direct with 34 dB pad. +/-3 dB radiated with properly spaced antenna
Frequency Check: 1086 to 1093 MHz, +/- 0.3 MHz

Manufacturers
Agilent
hp
Tektronix
ROHDE&SCHWARZ
ADVANTEST
FLUKE
Anritsu
will'tek
ATTEN
Marconi
AEROFLEX

Telecomms & Utilities
Thermal Imaging
Tools
Unknown
Video

Altitude Code: Binary and Numerical Readout, -1.0 to 126.7 thousand feet
Pilot Code: Binary and Numerical Readout, 0000 to 7777
Percent Reply: 0-100%, either A/C or A(B) modes
F_2 Pulse Position: Measurement of rising and falling edge +/-0.5 µs from nominal
Status Lamps: Ident Pulses, Invalid Altitude Code and No Altitude Code
Encoder Test: Direct connection accepts altitude encoder

DME Specifications:
Interrogations Measurements:
PRF:
Power (UUT):
Frequency Check:
Reply Output:
Frequency: Paired with VOR: 108.00 MHz (17X-channel) or 108.05 MHz (17Y-channel) standard.
Output Power: Approximately -45 direct with 34 dB pad or radiated with properly spaced antenna
Range: 0 to 399 NM in 1 NM steps. Accuracy +/-0.07 NM +/-0.02%
Velocity: Crystal-controlled digital velocity with rates of 50, 75, 100, 150, 200, 300, 400, 600, 800, 1200, 1600, and 2400 knots, +/-0.02% of setting. Inbound or outbound starting from any selected range. Range steps in velocity mode are 0.025 NM (system) 0.1 NM displayed
Percent Reply: 100% or 30%
Ident Tone: 1350 Hz (+/-8 Hz) with equalizing pulses

Physical Characteristics:
Power: 115/240 VAC, 50 to 400 Hz, 20 W. Internal NICAD battery operation for approximately 2 hours continuous operation.
Dimensions: Housed in a portable case 11.4" (29.0 cm) wide, 5.1" (13.0 cm) high, 16.1" (41.0 cm) deep. - does not include packaging
Weight: 18 lbs. (8.1 kg) approx. - does not include packaging