



# IATP

## Integrated Avionics Test Panel

### Specifications

#### Testing elements Include:

##### Unit level test:

Buss Power  
Push-button response  
Rotary Knobs  
Data Card Test  
Photo Cell  
Lighting – AC  
Lighting – DC  
Memory Battery  
Display Pattern Test  
Display Level Test  
Keyboard LED dim test  
GPS Antenna Bias  
GPS Signal  
Time Mark Output

##### Board Level Test:

Main lateral left-right outputs  
Main vertical up-down outputs  
To – From outputs  
Lat Flag outputs  
Main vertical Flag output  
Main lateral Super Flag output  
Annuciate outputs (J1-1) to (J1-14)  
Audio outputs test (P152-53)  
Discreet switch test for altitude, obs., etc. (J1-61 to J1-76)  
ARINC429 transmitters and receivers test  
ARINC 429 hi-speed test  
RS232 ports receive test  
GPS RS232 (1)  
GPS RS232 (2)  
GPS RS232 (3)  
GPS RS232 (4)  
OBS  
OBS Precision track select input test  
OBS External CDI Test

Com receiver testing  
Audio frequency response  
Com audio output variation test  
Audio frequency cutoff test  
Com AGC test  
Audio output variation test  
Sensitivity Test  
TX interlock test  
Com audio output test  
Distortion test  
Mic intercom test  
Noise level test  
Receiver audio compressor test  
Squelch test  
Carrier squelch test (25 kHz)  
Carrier squelch test (8.33 kHz)  
Noise squelch test (25 kHz)  
Noise squelch test (8.33)  
Opening time test (25 kHz)  
Opening time test (8.33 kHz)  
Selectivity test  
Noise band width test  
Skirt bandwidth test  
Spurious response test  
Desensitization Test  
Channel select time test  
Birdie channel test

Modulation capabilities test  
Carrier noise level test  
Frequency stability and tolerance test  
Demodulated audio distortion test  
Side-tone audio response test  
Spurious emissions test  
VSRW test  
Frequency modulation test  
Demodulated audio response test  
  
NAV voice audio output level test  
NAV voice/ident audio frequency response test  
NAV voice/ident audio distortion test  
VOR AGC test  
Localizer test  
VOR audio sensitivity test  
Receiver quieting test  
Ident/voice tone ratio test  
Flag sensitivity test  
VOR course deviation sensitivity test  
Localizer course deviation sensitivity test  
VOR test  
VOR OBS bearing accuracy test  
NAV selectivity test  
Localizer bandwidth test  
Spurious response test  
Deflection balance test  
Harmonic distortion test  
Glideslope deviation test  
Glideslope centering accuracy test  
Glideslope flag test  
Glideslope super flag output test  
Glideslope receiver test  
Glideslope sensitivity variation test  
Glideslope AGC test  
Glideslope selectivity test  
Glideslope deflection balance test  
Glideslope spurious response test

#### **IATP Technical Data**

Power Requirements: 120 VDC 60 HZ Input  
Internal 28 VDC Power Supply Built in 10 Amp Load Capability  
Size: 13" x 19" x 9.5"  
Weight: 13.5 lbs.

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