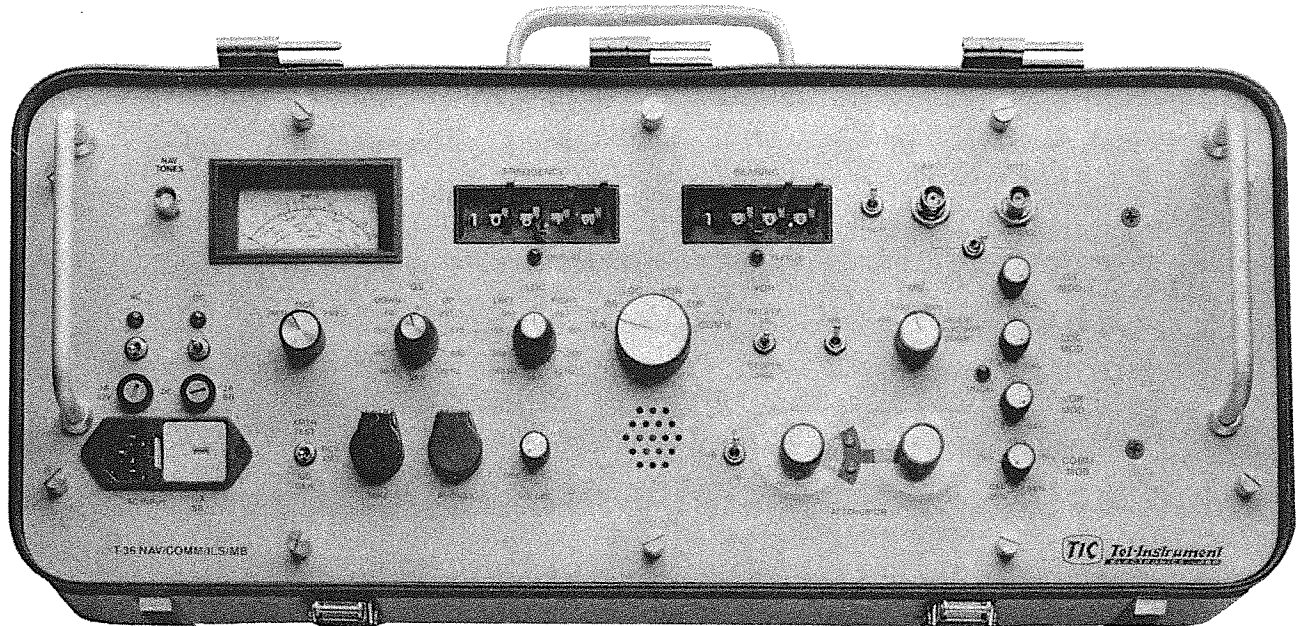


T-36 PORTABLE CAT III NAV/COMM TEST SET

(preliminary)

The T-36 is a ruggedized high-precision instrument for functional testing and calibration of VOR, LOC/GS, MB, and COMM avionic equipment.

The flexibility of battery and A-C powering makes the T-36 the ideal choice for bench or ramp use by all avionic facilities.



T-36:

- Generates ILS signals to ICAO Annex 10 CAT III precision
- Checks VOR, GS, LOC, MB, Comm, Flight Director, and Autopilot
- Operates in Shop, on Ramp, and in Cockpit
- Antenna-to-antenna or direct connect (coax)
- US and European frequencies
- Meets requirements of MIL-T-28800D
- Two year limited warranty
- Backed by 40 years experience in the manufacture of electronic test equipment

NAV MODES:

- VOR only
- LOC only
- GS only
- MB only
- LOC/GS
- LOC/GS/MB

COMM MODES:

- Rcvr test
- Xmtr test

(Detailed specs upon request.)

S P E C I F I C A T I O N S

S I G N A L G E N E R A T O R

Signal Types and Frequencies

Marker Beacon	75.000 MHz
VOR	108.00 to 117.950 MHz
Localizer	108.100 to 111.950 MHz
Glide Slope	(Paired with Localizer Channels) 329.150 to 335.000 MHz
ILS	(Consists of Localizer, paired Glide Slope, and Marker)
Communications	118.000 to 151.975 MHz

Output Level

-10/-130 dBm (Bench), +15/-105 dBm (Ramp) in 1 dB steps

VOR

Bearing/Accuracy	0-359.9 ± 0.3 degree
Bearing Resolution	0.1 degree
Ident Tone	1020 Hz (switch selectable)
Depth of Modulation (±1%)	30 Hz: 30%, 9960 Hz: 30%, 1020 Hz (Ident): 10%

Localizer DDM's (Left and Right)

0.000, 0.093, 0.155, 0.200, 1.000, plus continuously variable and 90 or 150 Hz delete	
DDM Accuracy	± 0.01
Depth of Modulation	20% ± 1% each tone at 0.000 ddm
Ident Tone	1020 Hz (switch selectable)

Glide Slope DDM's (Up and Down)

0.000, 0.091, 0.175, 0.400, 1.000 plus continuously variable and 90 or 150 Hz delete	
DDM accuracy	± 0.01
Depth of Modulation	40% ± 1% each tone at 0.000 ddm

Marker Beacon

Tone	400, 1300, 3000 Hz (switch selectable)
Depth of Modulation	95% ± 3%
Simultaneous MB	Available in ILS, LOC, and GS Modes

COMM Receiver

Depth of Modulation	1020 Hz AM: 0 to 95%
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C O M M T R A N S M I T T E R M E A S U R E M E N T S

Frequency Range	118.000 to 151.975 MHz
ID Tone	1020 Hz (switch selectable)
Depth of Modulation	AM: 0 to 95% or FM: 0 to 15 KHz
Power Measurement	1 Watt to 25 Watts ± 10%
Modulation Measurement	0-100% ± 5%
Frequency Error Measurement	± 8 KHz ± 0.5 KHz from selected frequency

P H Y S I C A L

Case	MIL-T-28800 Style A or C
Size	20.5 x 9 x 7 inches
Weight	25 pounds
Power	NiCad batteries (built in charger) and 115/230 VAC, 50 to 400 Hz
Temperature	-51 to +71C storage; -30 to +55C operating

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T-36 6/95