

# T-30CM MILITARY CAT III NAV RAMP TEST SET



P/N 90 000 049 - NSN 6625-01-421-5845

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## T-30CM:

- Permits ICAO Annex 10 CAT III ILS ramp check certification
- Check VOR, GS, LOC, MB, Flight Director, and Autopilot
- Separate and simultaneous MB/ILS
- Dual VOR/LOC/GS frequencies
- Dual extended-range variable ILS
- Quick, easy one-man operation from the cockpit
- Lightweight and portable – weighs only 19 lbs.
- Meets requirements of MIL-PRF-28800F
- Built-in NICAD battery and charger
- Two year limited warranty; five and ten year warranties available
- Rugged, reliable, affordable
- Backed by 40 years experience in the manufacture of electronic test equipment

# SPECIFICATIONS

(Standard condition values)

## VOR

<b>RF:</b>	Frequencies	108.0 & 108.05 MHz $\pm$ 0.002%
	Power	> +10 dBm
<b>MODULATION:</b>	Frequency	30/9960 Hz $\pm$ 0.01%
	Depth	30% $\pm$ 2%
	Distortion	< 5%
	Deviation ratio	16
	Tone	1020 Hz $\pm$ 2%
<b>CONTROLS:</b>	Bearing	0 thru 315 $\pm$ 1° (in 45° steps)
	Variable	> 10° about selected bearing

## LOC

<b>RF:</b>	Frequencies	108.1 & 108.15 MHz $\pm$ 0.002%
	Power	> +10 dBm
<b>MODULATION:</b>	Frequency	90/150 Hz $\pm$ 0.01%
	Depth	20% $\pm$ 2%
	Distortion	< 5%
	Phase accuracy	90 & 150 Hz $\pm$ 10°
	Tone	1020 Hz $\pm$ 2% & delete 90 or 150 Hz
<b>CONTROLS:</b>	On course	0.0 $\pm$ 0.1 DDM
	Variable	> $\pm$ 0.155 DDM
	Step	L&R 1 & 2 dots

## GS

<b>RF:</b>	Frequencies	334.7 & 334.55 MHz $\pm$ 0.002%
	Power	> +6 dBm
<b>MODULATION:</b>	Frequency	90/150 Hz $\pm$ 0.01%
	Depth	40% $\pm$ 2.5%
	Distortion	< 5%
	Phase accuracy	90 & 150 Hz $\pm$ 10°
	Tone	Delete 90 or 150 Hz
<b>CONTROLS:</b>	On course	0.0 $\pm$ 0.1 DDM
	Variable	> $\pm$ 0.175 DDM
	Step	U&D 1 & 2 dots

## MB

<b>RF:</b>	Frequency	75.0 MHz $\pm$ 0.005%
	Power	> +10 dBm
<b>MODULATION:</b>	Frequency	400/1300/3000 Hz $\pm$ 2%
	Depth	95% $\pm$ 5%
	Distortion	< 10%

## PHYSICAL

Antenna	Detachable
Attenuator	Variable in 1dB steps
Battery type/life	NICAD/8 hours at 50% duty cycle
Battery charger/power	Built-in/115 or 230 VAC, 50 to 400 Hz
Packaging	MIL-PRF-28800F, Style A
Size	1100 cubic inches
Weight	19 pounds
Temperature, operating	-30°C to +50°C