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Test & Measurement

- sales
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Complimentary Reference Material

This PDF has been made available as a complimentary service for you to assist in evaluating this model for your testing requirements.

TMG offers a wide range of test equipment solutions, from renting short to long term, buying refurbished and purchasing new. Financing options, such as Financial Rental, and Leasing are also available on application.

TMG will assist if you are unsure whether this model will suit your requirements.

Call TMG if you need to organise repair and/or calibrate your unit.

If you click on the “Click-to-Call” logo below, you can call us for FREE!

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TS[®]44 Deluxe Test Set

The next-generation improvement over Data Lockout override technology, the TS44 Deluxe Test Set features ADSLSafe™ technology, allowing technicians to butt in on a live ADSL line to test POTS quality without downing the data service. With our new waterproof case, the TS44 DLX Test Set features the latest improvements to DropSafe™ reliability and RainSafe™ protection, so it's weatherproof for extreme conditions.

Handy features

This easy to use unit comes with all the features that make a technician more productive, including a high-fidelity, two-way hands-free amplified speakerphone, speed dialing, a low battery warning indicator and a rugged over-sized locking belt clip for universal needs.

Data Protection:

- DataSafe including ADSLSafe Technology
- Data lockout with override

Testing:

- Data indication/warning
- Low & high voltage indication/warning
- Low current (mA) indication/warning

Durability and Exterior:

- Drop Safe 20 feet
- Enhanced weatherproof/waterproof case design
- Mountable, top or bottom, extra large steel locking belt clip
- Line cord strain relief

Features:

- Software upgradeable
- Low battery warning
- Mute indication
- Polarity indication
- Easy to use
- Tone & pulse
- Two-way hands-free speakerphone
- One-way amplified speaker phone mode (optional)
- Amplified speaker
- Last number redial
- Over voltage protection
- Over current protection
- Mute
- PBX pause button
- Audible ringer
- Speed dialing
- Volume control levels
- Line and battery powered
- Passive monitor
- Hearing aid compatible



For more information, or to contact your local Fluke Networks representative, call (800) 283-5853 or email info@flukenetworks.com

TS44 DLX Test Set quick guide

Feature	Operation
Data Test in Monitor Mode	Press TEST key. If data is detected, warning tone will sound for about 5 seconds. If no data is detected, a confirmation tone will sound once.
Data Test in Talk Mode	If data is detected, warning tone will sound. If there is no data and acceptable line voltage, the test set will go off-hook.
Data Lockout Override	In Talk mode, while the data alarm is sounding, press the STORE/PROG key then the TEST key.
Access POTS Side of ADSL/POTS Line	In Talk mode, while the data alarm is sounding, press the STORE/PROG key then the TEST key.
Line Voltage Test	In Monitor mode, press the TEST key.
Low Voltage	0-2 VDC - LO LED will light solid for 5 seconds. 2-42 VDC - LO LED will flash for 5 seconds.
Normal Voltage	42-53 VDC - LO and HI LEDs will flash once.
High Voltage	53-140 VDC - HI LED will flash for 5 seconds. > 140 VDC - HI LED will light solid for 5 seconds.
Loop Current Test	Go off hook and press the TEST key. One of the LO mA LEDs will flash for 5 seconds if the loop current is below 23 mA. The LED will light solid if the loop current is greater than 23 mA.
Program Speed Dial Numbers	In Monitor mode, press RCL. Enter number to be stored. Press STORE/PROG then press the number of the memory location (0-9). Confirmation tone will sound.
Dial Stored Number	While off-hook, press RCL then number key (0-9) where number is stored.
Two Way Speakerphone	While off-hook, press SPKR key to activate. Press SPKR key again to deactivate. In an extremely noisy environment, press the MUTE key to put in amplified speaker mode. Press the MUTE key again to unmute.
Receive-only mode	To enable/disable: 1. Put test set in Monitor mode. 2. Press STORE/PROG key. 3. Press the MUTE key. The test set will chime confirming the selection.

TS44 Deluxe Test Set Specification Sheet

Parameter	Working Limits
Electrical	
Current Range (Off-Hook)	10 to 100 mA
DC Resistance	Off-Hook: 150 W nominal On-Hook: > 3 MW
AC Impedance	Off-Hook: 600 W nominal; 300-3400 Hz On-Hook: > 120 kW; 300-3400 Hz
Rotary Dial Output	Pulsing Rate: 10 pps \pm 1 pps Break/Make Ratio: 60/40 Interdigit Interval: >300 ms Resistance During Break: >100 kW
Pulsing Rate	10 pps \pm 1 pps
Break/Make Ratio	60/40
Interdigit Interval	>300 ms
Resistance During Break	>100 kW
DTMF Output	Tone Frequency Error: \pm 1.5 % maximum Tone Level: -3 dBm combined (typical)
High versus Low Tone	Difference: 2 dB \pm 2 dB
Memory Dialing	Memory Capacity: 10 speed dial memories plus one last number redial memory Digit Capacity: 23 digits per memory
PBX Pause Duration	User programmable; default = 4 seconds
Hook Flash Duration	User programmable; default = 600 ms
Automatic Speaker Shut Off	User programmable; default = 2 minutes Duration
Battery	9 Volt Alkaline or Lithium battery
Data Detection and Lock-out Capability	Twisted pair data services including: T1, E1, ISDN PRI, ISDN BRI, HDSL, SW56, IDSL, SDSL, and ADSL.
Physical	
Length	254 mm (10 inches)
Width	96 mm (3.75 inches)
Height	107 mm (4.25 inches)
Weight	Less than 0.68 kg (1.5 pounds)
Environmental	
Water Resistance	Designed to be rain and moisture resistant.
Temperature Range	Operating: -34° to 60°C (29° to 140°F) Storage: -40 to 66°C (-40° to 150°F)
Altitude	To 3,000 meters (10,000 feet) max.
Drop	Designed to withstand two 20-foot drops and twelve 12-foot drops onto concrete.

NETWORK SUPERVISION

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