TS®44 PRO Test Set

The next-generation improvement over Data Lockout override technology, the TS44 PRO 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 PRO 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 oversized locking belt clip for universal needs.

Data protection:
- DataSafe including ADSLSafe technology
- Data lockout with single button override

Testing:
- Data indication/warning
- Low and high voltage indication/warning
- Low current (mA) indication/warning

Durability and exterior:
- DropSafe 20 feet
- Enhanced weatherproof/waterproof case design
- Mountable, top or bottom, extra large steel locking belt clip
- Line cord strain relief

Features:
- Low profile keypad with protection ridge
- Software upgradeable
- Low battery warning
- Mute indication
- Polarity indication
- Easy to use
- Tone and 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**

See data and keep it safe while troubleshooting voice

Technical Data

TS44 PRO Test Set quick guide

Feature	Operation
Data Test	Connect the unit to Tip and Ring and move the T/M switch to **T**. If high-speed data is present, the unit's alarm will start beeping and the unit will lockout and not go off-hook. If there is no high-speed data, the unit will go off-hook.
Data Lockout Override	In Talk mode, while the data lockout alarm is sounding, press the **OVERRIDE** key – the unit will go off-hook. For example, this is what you would do to access POTS on a line carrying both POTS and ADSL.
Line Voltage Test	In Monitor mode, press **Vdc&mA/TEST** key.
Low Voltage	0 Vdc to 2 Vdc – LO LED lights up red for 3 seconds. 2 Vdc to 42 Vdc – LO LED flashes red.
Normal Voltage	42 Vdc to 53 Vdc – LO and HI LEDs flash green once.
High Voltage	53 Vdc to 140 Vdc – HI LED flashes red. >140 Vdc – HI LED lights up red for 3 seconds.
Loop Current Test	Go off-hook and press the **Vdc&mA TEST** key. If the loop current is less than 23mA, the mA LED flashes red. If the loop current is 23mA or greater, the mA LED flashes green.
Redial the Last Number Dialed	Go off-hook and press the **LNR** key.
Pulse Dialing	By default the unit is configured to Tone dial. But if you want to Pulse dial, go off-hook and press the **TONE/PULSE** key, now the unit will pulse dial.
Program Speed Dial Numbers	In Monitor mode, press **RCL**. Enter the number to be stored. Press **STORE/PROG**, then press the number of the memory location (0-9) where you want to store it. The confirmation tone sounds.
To Speed Dial a Stored Number	Go off-hook, press **RCL**, then press the key (0-9) of the memory location where the number is stored.
Two-Way Speakerphone	While off-hook, press **SPKR** to activate. Press **SPKR** again to deactivate. If you are listening only, press **MUTE** to activate the Receive-Only Loud Speaker. Press **MUTE** again to restore the two-way Speakerphone.
To Set Receive-Only Loud Speaker as Default	**1** Put the test set in Monitor mode. **2** Press **STORE/PROG**. **3** Press **MUTE**. The confirmation tone sounds. To restore the Speakerphone as the default Speaker mode, repeat the three steps above.

TS44 PRO Test Set Specifications

Parameter	Working Limits
Electrical	
Current Range (Off-Hook)	10 mA to 100 mA
DC Resistance	
Off-Hook	150 Ω nominal
On-Hook	>3 MΩ
AC Impedance Off-Hook	600Ω nominal; 300 Hz to 3400 Hz
On-Hook	>120 kΩ; 300 Hz to 3400 Hz
Rotary Dial Output	
Pulsing Rate	10 pps ±1 pps
Break/Make Ratio	60/40
Interdigit Interval Resistance During Break	>300 ms >100 kΩ
DTMF Output	
Tone Frequency Error	±1.5 % maximum
Tone Level	-3 dBm combined (typical)
High versus Low Tone Difference	2 dB ± 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	4 seconds
Hook Flash Duration	User programmable; default of 600 ms
Automatic Speaker Shut Off Duration	User programmable; default of 2 minutes
Battery	9 V alkaline or lithium battery
Physical	
Measurement	10 in x 3.75 in x 4.25 in (254 mm x 96 mm x 107 mm)
Weight	Less than 1.5 pounds (0.68 kg) with one belt clip
Water Resistance	Designed to be rain and moisture resistant.
Environmental	
Temperature Range	
Operating:	29°F to 140°F (-34°C to 60°C)
Storage	-40°F to 150°F (-40°C to 66°C)
Altitude	To 10,000 ft. (3,000 m) max
Drop	Two 20-foot drops and twelve 12-foot drops onto concrete
Note	

Specifications subject to change without notice.