

# TS<sup>®</sup>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](mailto:info@flukenetworks.com)

**See data and keep it safe while troubleshooting voice**



## TS44 PRO Test Set quick guide

Feature	Operation
<b>Data Test</b>	Connect the unit to Tip and Ring and move the T/M switch to <b>T</b> . 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.
<b>Data Lockout Override</b>	In Talk mode, while the data lockout alarm is sounding, press the <b>OVERRIDE</b> 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.
<b>Line Voltage Test</b>	In Monitor mode, press <b>Vdc&amp;mA/TEST</b> key.
<b>Low Voltage</b>	0 Vdc to 2 Vdc – LO LED lights up red for 3 seconds. 2 Vdc to 42 Vdc – LO LED flashes red.
<b>Normal Voltage</b>	42 Vdc to 53 Vdc – LO and HI LEDs flash green once.
<b>High Voltage</b>	53 Vdc to 140 Vdc – HI LED flashes red. >140 Vdc – HI LED lights up red for 3 seconds.
<b>Loop Current Test</b>	Go off-hook and press the <b>Vdc&amp;mA TEST</b> 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.
<b>Redial the Last Number Dialed</b>	Go off-hook and press the <b>LNR</b> key.
<b>Pulse Dialing</b>	By default the unit is configured to Tone dial. But if you want to Pulse dial, go off-hook and press the <b>tone/PULSE</b> key, now the unit will pulse dial.
<b>Program Speed Dial Numbers</b>	In Monitor mode, press <b>RCL</b> . Enter the number to be stored. Press <b>STORE/PROG</b> , then press the number of the memory location (0-9) where you want to store it. The confirmation tone sounds.
<b>To Speed Dial a Stored Number</b>	Go off-hook, press <b>RCL</b> , then press the key (0-9) of the memory location where the number is stored.
<b>Two-Way Speakerphone</b>	While off-hook, press <b>SPKR</b> to activate. Press <b>SPKR</b> again to deactivate. If you are listening only, press <b>MUTE</b> to activate the Receive-Only Loud Speaker. Press <b>MUTE</b> again to restore the two-way Speakerphone.
<b>To Set Receive-Only Loud Speaker as Default</b>	<ol style="list-style-type: none"> <li>Put the test set in Monitor mode.</li> <li>Press <b>STORE/PROG</b>.</li> <li>Press <b>MUTE</b>. The confirmation tone sounds. To restore the Speakerphone as the default Speaker mode, repeat the three steps above.</li> </ol>

## TS44 PRO Test Set Specifications

Parameter	Working Limits
<b>Electrical</b>	
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	>300 ms >100 kΩ
Resistance During Break	
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
<b>Physical</b>	
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.
<b>Environmental</b>	
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.

### NETWORK SUPERVISION

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Fluke Networks operates in more than 50 countries worldwide. To find your local office contact details, go to [www.flukenetworks.com/contact](http://www.flukenetworks.com/contact).

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# Telephone Test Set Comparison



	TS <sup>®</sup> 52 PRO	TS <sup>®</sup> 44 PRO	TS <sup>®</sup> 42DLX	TS <sup>®</sup> 22A	TS <sup>®</sup> 22	TS <sup>®</sup> 25D	TS <sup>®</sup> 30 / TS <sup>®</sup> 120*	TS <sup>®</sup> 19
Caller-ID verification	•					•		
LCD-Liquid Crystal Display	•					•		
Backlit LCD with Glow-in-the-Dark keypad	•							
DTMF Digit Grabbing	•					•		
Extended range high-impedance DataSafe operation in monitor mode	•	•	•			•		
High-impedance DataSafe operation in monitor mode	•	•	•	•		•	•	•
Data lockout protection	•	•				•		
Data lockout override	•	•				•		
DSL/POTS filtering technology	•	•	•			•		
Low/high voltage indication	•	•	•			•		
Current (mA) indication	•	•	•			•		
Over voltage protection	•	•	•	•	•	•	•	
Over current protection	•	•	•	•	•	•	•	
Two-way speakerphone for true hands-free conversations	•	•	•	•				
One-way amplified speaker for hands-free monitoring	•	•	•	•	•	•		
Audible ringer for callbacks	•	•	•	•	•	•	•	•
Weatherproof – exceeds American Military Spec. MIL-STD-810E	•	•	•					
RainSafe – safe in severe weather conditions	•	•	•	•	•		•	
DropSafe – passes 20 foot (6 meter) drop test onto concrete	•	•	•	•	•		•	
Meets Bellcore specifications	•	•	•	•	•		•	
Tone and pulse operation	•	•	•	•	•	•	•	•
Polarity indication	•	•	•	•	•	•	•	•
PBX pause button	•	•	•	•	•	•		
Stores at least nine 18-digit numbers in repertory dialer (speed dialing)	•	•	•	•	•	•		
Replaceable 9V battery	•	•	•	•	•	•		
Visual ANAC (Automatic Number Announcement Circuit) mode option. Not available in all regions	•							

[www.flukenetworks.com/testsets](http://www.flukenetworks.com/testsets)

\*The TS25D includes tone generator mode and talk battery supply mode. The TS120 designed for outside North America only. 67/33 break/make ratio.