TELEPHONE BUTT-IN TEST SETS

Complete line of analog butt-in telephone test sets provides the view you need to ensure telecommunications services

Fluke Networks offers the most comprehensive line of telephone test sets to meet the voice and data demands of telecommunications technicians. Our DropSafe™ reliability and RainSafe™ protection ensure maximum ruggedness, even in the most extreme conditions. Our DataSafe™ technology is vital in preventing interruption of existing data traffic, and our DSL/POTS filtering technology goes one step further to allow testing on the POTS side of a line even while data is present.

We continually improve our line of butt-in test sets to ensure technicians have the right features to match their application needs – with the most flexible options for every budget.

Telephone Test Set Comparison

	TS®52 PRO	TS®44 PRO	TS®42DLX	TS®22A	TS®22	TS®25D	TS®30 / TS®120*	TS®19
Display – back lit LCD and glow-in-the-the dark keypad	✓					LCD only		
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	✓	✓	✓			✓		
Low 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	✓	✓	✓	✓	✓	✓	✓	✓
Waterproof – 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 in talk mode	✓	✓	✓	✓	✓	✓	✓	✓
PBX pause button	✓	✓	✓	✓	✓	✓		
Stores nine 18-digit numbers in repertory dialer (speed dialing)	✓	✓	✓	✓	✓	✓		
Replaceable 9V battery for powering speaker	✓	✓	✓	✓	✓	✓		

* TS120 for outside North America only. 67/33 break/make ratio.

TS®52 PRO LCD Test Set

The TS®52 PRO Test Set features the latest in test set technology. Designed with a superior, radiant liquid crystal display (LCD) user interface, it allows you to see what cannot be heard in any outside plant environment. The back-lit LCD and glow-in-the-dark keypad brings light to even the darkest of work environments, providing perfect line diagnostic clarity. The TS®52 PRO Test Set is also equipped with 2-way speakerphone and DataSafe™ Pro data protection technology featuring superior high-impedance monitoring, data lockout and lockout override, making you completely safe.

- **Display** – back-lit LCD and glow-in-the-the dark keypad
- **DataSafe™ Pro** – superior high-impedance monitoring, lockout and override, making you completely safe in any mode
- **DropSafe™/RainSafe™** – passes 20-foot drop test and designed for use in rainy conditions
- **DSL/POTS filtering technology** – allows technicians to clip on a live DSL line to test POTS service without downing or disrupting data service
- **Two-way, hands-free speakerphone** – for true hands-free conversation
- **Test Functions:**
  - Data indication: warns when data is present.
  - Voltage indication: troubleshooting feature to identify potential line problems
  - Current (mA) indication: verifies sufficient line current
  - Caller-ID: verifies service is functional
  - DTMF digit grabbing: isolate faulty customer premise equipment

Model	Description
52801001	TS52 PRO test set with piercing pin clips
52801004	TS52 PRO test set with 346A plug
52801009	TS52 PRO test set with ABN/PP clips
52801RJ9	TS52 PRO test set with ABN/PP and RJ-11 plug

To learn more visit: **www.flukenetworks.com/ts52**

Telephone/Data Room or Central Office

Cross Box or Serving Terminal

Inside or Outside the Customer Premise

TS®40 Series Test Sets

Built for the demanding professional, the TS40 Series test sets combine an ergonomic water-proof design, DropSafe™ durability and a standard 3-year warranty for unmatched reliability. The TS40 Series test sets offer speakerphone capability for true hands-free conversations, a rugged ergonomically designed waterproof case that exceeds American Military Specification MIL-STD-810E and are DropSafe tested to 20 feet onto concrete. Designed with superior high-impedance monitor to protect data lines, the TS40 Series offers the best DataSafe™ protection in its class. Advanced testing functions for low/high voltage and low (mA) current detection are displayed in easy-to-read LEDs. Always-on monitor mode simplifies operation and speeds testing; just clip on to the pair and it is monitoring.

- DataSafe operation with superior high impedance monitor
- Advanced testing functions for low/high voltage and low (mA) current
- Always-on Monitor Mode
- Ergonomic DropSafe case
- High fidelity, 2-way speakerphone for true hands-free conversations.
- TS®44 PRO includes Data Lockout, Lockout Override and DSL/POTS filtering

Model	Description
50801001	TS44 PRO test set with piercing pin clips
50801004	TS44 PRO test set with 346A plug
50801009	TS44 PRO test set with ABN/PP
50801RJ9	TS44 PRO test set with ABN/PP and RJ-11 plug
42801001	TS42 DLX test set with piercing pin clips
42801004	TS42 DLX test set with 346A plug
42801009	TS42 DLX test set with ABN

To learn more visit: **www.flukenetworks.com/ts40**

TS®30 Test Set

The TS30 test set features the latest in test set case design, at an affordable price. The ergonomic non-slip grip handle provides improved handling of the set in all weather conditions. Includes DataSafe™ operation so technicians can clip onto a line in monitor mode, without disrupting existing data traffic.

- High impedance DataSafe operation in monitor mode
- DropSafe™ reliability passes 20-foot drop test
- RainSafe™ protection in severe weather conditions
- Mute switch
- Last number redial

Model	Description
30800009	TS30 test set with ABN
30800001	TS30 test set with piercing pin clips

To learn more visit: **www.flukenetworks.com/ts30**

TS®22 Series Test Sets

The TS22 Series offers a unique built-in, one-way amplified speaker that provides three audio levels for hands-free listening and use with automated voice response systems. Multiple memories enable storage of nine 18-digit telephone numbers in repertory dialer (speed dialing) for easy access to test boards, the central office and other frequently called numbers. The last number redial feature eliminates the need to re-key your last entry. The TS22 test set offers an unbeatable combination of reliability, durability and expanded utility.

- TS22 test set has an amplified speaker for hands-free monitoring
- TS22A test set has a two-way speakerphone for true hands-free conversation
- DropSafe™ reliability passes 20-foot drop test
- RainSafe™ protection in severe weather conditions
- Stores nine 18-digit numbers in repertory dialer (speed dialing)

Model	Description
22801009	TS22A test set with ABN
22801007	TS22A test set with ground start cord
22801004	TS22A test set with 346A plug
22801001	TS22A test set with piercing pin clips
22800009	TS22 test set with ABN
22800007	TS22 test set with ground start cord
22800004	TS22 test set with 346A plug
22800001	TS22 test set with piercing pin clips

To learn more visit: **www.flukenetworks.com/ts22**

TS®25D LCD Test Set

The TS25D test set features data lockout and lockout override, making you completely safe in talk or monitor mode. The DSL/POTS filtering technology allows you to safely draw dial tone without downing DSL. A built-in analog tone generator simplifies wire identification with a probe. An amplified speaker makes monitoring the line hands-free, so you can keep working. The Talk Battery function provides voltage to carry voice conversation on non-powered pairs. Also includes Caller-ID and Call-waiting Caller-ID functions. All in a compact unit with an oversized, robust liquid crystal display (LCD) that makes the intuitive, common-sense menus easy-to-read and use.

- Caller-ID and Call-waiting Caller-ID
- Amplified speakers for hands-free monitoring
- Data lockout and data lockout override
- Tone generator for wire identification
- Talk battery to power voice conversation on dry (non-powered) lines

Model	Description
25501109	TS25D test set with ABN kit (includes pouch and earpiece)
25501009	TS25D test set with ABN
25501004	TS25D test set with 346A plug
25500400	TS25D pouch only
25500300	TS25D battery door with belt clip

To learn more visit: **www.flukenetworks.com/ts25d**

TS®19 Test Set

The TS19 test set combines all the essential test set features at an affordable price. This test set was specifically designed for in-house telecom technicians. Its high impedance monitor prevents accidental disruption of service from clipping onto a data line while in Monitor Mode, thus ensuring the integrity of critical data lines. Features such as tone (DTMF) or pulse operation, talk/monitor capabilities, polarity test button and last number redial make this test set the perfect combination of features and price.

- High impedance DataSafe™ operation in monitor mode
- Tone (DTMF) and pulse operation and last number redial
- Polarity indication in talk mode

Model	Description
19800009	TS19 test set with ABN
19800003	TS19 test set with banana jacks to alligator clips

To learn more visit: **www.flukenetworks.com/ts19**

In-line Modular Adapter (4, 6, and 8-wire)

In-line banjo modular adapters permit testing on working lines without disrupting service. Quickly determine whether the trouble is in the phone or in the line.

- Easily complete testing and obtain circuit access on working lines without disrupting service
- Clear circuit markings on the sides and bottom of the unit
- Test line status with the 4-wire modular adapter

4-wire Standard Modular Adapter

Provide a quick connect to modular telephone jacks using any standard butt-in test set equipped with spring clips.

- Easily complete testing and obtain circuit access on working lines without disrupting service
- Clear circuit markings on the sides and bottom of the unit
- Test line status with the 4-wire modular adapter
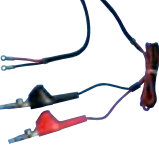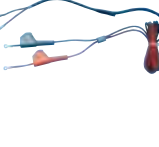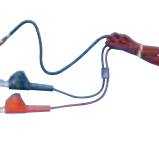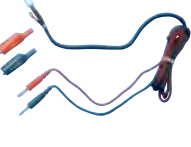
Spare Modular Adapter Cords (standard and K-plugs)

In-line banjo modular adapters feature replaceable adapter cords which enable broken jack clips to be replaced without discarding the entire unit. K-plug versions have rugged jack clips.

Model	Description
10113000	4-wire modular adapter
10210100	4-wire in-line modular adapter
10210101	4-wire in-line modular adapter with K-plug
10220100	6-wire in-line modular adapter
10220101	6-wire in-line modular adapter with K-plug
10230100	8-wire in-line modular adapter
10230101	8-wire in-line modular adapter with K-plug

To learn more visit: **www.flukenetworks.com/modular**

Line Cords and Clips

P4480009	**P4480001**	**P4480004**	**P4480RJ9**	**P3218024**	**P3218028**
Line cord with Angled Bed-of-Nails Clips	Line cord with Angled Piercing Pin Clips	Line cord with 346A plug (Central Office)	Line cord with Bed-of-Nails and RJ-11 plug	Line cord with Straight Bed-of-Nails Clips	Line cord with Angled Piercing Pin Clips
Compatible with 52 & 40 Series	Compatible with 52 & 40 Series	Compatible with 52 & 40 Series	Compatible with 52 & 40 Series	Compatible with 20 Series	Compatible with 20 Series
P3218231	**P3218232**	**P3218234**	**P3080009**	**P1980001**	**P1980003**
Line cord with Boots, no Clips	Line cord with 346A Plug (Central Office)	Line cord with Angled Bed-of-Nails Clips	Line cord with Angled Bed-of-Nails Clips	Line cord with Angled Piercing Pin Clips	Line cord with Banana Jacks and Alligator Clips
Compatible with 20 Series	Compatible with 20 Series	Compatible with 20 Series	Compatible with 30 Series	Compatible with 19 Series	Compatible with 19 Series
P1980007	**P1980009**	**P3218124**	**P3218RJ9**	**P3218442**	**P2280062**
Line cord with Ground Start cord	Line cord with Angled Bed-of-Nails Clips	Line cord 471 A Plug with RJ-11 Plug	Line cord with Angled Bed-of-Nails Clips and RJ-11 plug	Line cord 471A Plug with Angled Piercing Pin Clips	Ground start cord
Compatible with 19 Series	Compatible with 19 Series	Compatible with all, requires 346A Plug	Compatible with the TS20 Series	Compatible with all, requires 346A Plug	Component for P1980007
				Line cord boot only	
P3218202	**P4080248**	**P4080249**	**P3218249**	P3218-418 Black Boots (Pkg. 10)	
Angled Bed-of-Nails, Pkg. 1 each	Standard locking belt clip	Belt clip	Belt clip	P3218-420 Red Boots (Pkg. 10)	
Compatible with all	Compatible with 52 & 40 series	Compatible with 52 & 40 series	Compatible with 19, 20, 30 series		