

TS® 22 Series Test Sets



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Product Highlights

The TS22 Series telephone test equipment offers a 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)

Overview

The TS22 Test Set's unique built-in one-way amplified speaker 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.

The TS22A Test Set is equipped with all the features of the TS22 Test Set with the addition of a built in two-way speakerphone. The two-way speakerphone enables the user to operate hands free. The effect of ambient noise can be eliminated with the Mute switch, allowing the technician to monitor a line uninterrupted while in Talk mode. A standard among field professionals, the TS22A model is a reliable and durable test set that is ready for any job.

* The TS22 Series Test Set contains an embedded 3-volt lithium battery. The 9-volt battery in the Test Set should be changed when low, or once a year if not in use, to prevent the 3-volt battery from draining. A 3-volt battery that drains after its 42-month warranty will need to be replaced by an authorized service facility at a charge to you.

* Note also that your speakerphone will no longer work when your 9-volt battery is low or dead. You should replace the 9-volt battery whenever it is low.

Features

Combining reliability, durability and expanded utility

The TS®22 Series Test Sets top features include:

- Tone (DTMF) and pulse operation
- Last number redial
- DTMF signal levels compensated for loop length
- DropSafe™ unit up to 20 feet
- Audible electronic ringer
- Locking mute switch
- 3-year redial storage time
- Over voltage and over current protection
- PBX pause button
- Field replaceable belt clip
- Continuous polarity LED indications
- For use with computerized voice response systems
- Stores nine 18-digit numbers in repertory dialer (speed dialing)
- RainSafe™ ruggedness for use in extreme weather conditions
- TS22A includes above and additionally high impedance monitor for DataSafe™ operation and two-way speakerphone

Models & Accessories

Models

22800001

TS22 test set with piercing pin clips (*Only available outside of Europe*)

22800004

TS22 test set with 346A plug (*Only available outside of Europe*)

22800007

TS22 test set with ground start cord (*Only available outside of Europe*)

22800009

TS22 test set with ABN (*Only available outside of Europe*)

22801001

TS22A test set with piercing pin clips (*Only available outside of Europe*)

22801004

TS22A test set with 346A plug (*Only available outside of Europe*)

22801007

TS22A test set with ground start cord (*Only available outside of Europe*)

22801009

TS22A test set with ABN (*Only available outside of Europe*)

Specifications

Electrical

Electrical

Loop Limit

2 k Ω maximum at 48 VDC (nominal 20 mA minimum loop current)

DC Resistance

(Talk Mode)

300 Ω typical

Monitor Impedance

Monitor Impedance

TS22

5 k Ω nominal at 1 kHz

TS22A

120 k Ω nominal at 1 kHz

Rotary Dial Output

Rotary Dial Output

Pulsing Rate

10 pps \pm 5 pps

Percent Break

61 % \pm 2 %

Interdigit Interval

1000 ms typical

Leakage During Break

>50 k Ω

DTMF Output

DTMF Output

Tone

$\pm 1\%$ maximum

Frequency Error Tone Level

-3 dBm combined (typical)

High versus Low Tone Difference

4 dB maximum

Monitor Amplifier

9 V battery; provides 25 hours

Power Source

continuous use, typical

Speaker Levels for TS22

Low, medium, high and off

Automatic Power Shut Off

After 5 min. of no audio signal

Speakerphone Levels TS22A

Low, medium, high and off

Power Source

Shared line and battery power

Physical

Physical

Physical Measurement

10.25 in x 2.69 in x 3.38 in (26 cm x 6.83 cm x 8.57 cm)

Weight

Weight

TS22

21 ounces (.595 kg)

TS22A

22 ounces (.624 kg) typical

Environmental

Environmental

Temperature 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 feet (3,000 meters)

Relative Humidity

5 % to 95 %

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