

TS® 19 Test Sets



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Product Highlights

TS19 telephone test equipment features DataSafe™, Tone or Pulse operation, Talk/Monitor capabilities and last number redial.

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

Overview

The Fluke Networks 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.

Models & Accessories

Models

[19800003](#)

TS19 test set with banana jacks to alligator clips

[19800009](#)

TS19 test set with ABN

Specifications

[Electrical](#)

Electrical

Loop Limit

2.4 k Ω maximum at 48 VDC (nominal 15 mA minimum loopcurrent)

DC Resistance (Talk Mode)

150 Ω typical at 80 mA current

AC Impedance (Monitor Mode)

Low impedance (Ring position) 600 Ω at 1 KHz typical
High impedance (HI Z position) 100 k Ω minimum at 1 KHz
Rotary Dial Output
10 pps .5 pps
Pulsing Rate
60 % $\pm$ 2 %
Percent Break
800 ms typical
Interdigit Interval Leakage During Break
> 50 k Ω
DTMF Output
 $\pm$ 1 % maximum
Tone Frequency Error Level per Tone Pair
dBm maximum, - dBm minimum
High versus Low Tone Difference
4 dB maximum

Physical

Physical
Length
8.75 in (22.2 cm)
Width
2.375 in (6.03 cm)
Height
3.375 in (8.57 cm)
Weight
10.8 oz (.307 kg) maximum

Environmental

Environmental
Temperature
Operating: -5 $^{\circ}$ C to $^{\circ}$ C
Storage: -40 $^{\circ}$ C to $^{\circ}$ C
Drop
1 meter, 4 times
Altitude
To 3,000 meters (10,000 feet) maximum
Relative Humidity

10 %to 80 % (non-condensing)

Regulatory Standards Used

47 CFR Part 15, Subpart B

ICES-003 Issue 3

AS/NZS 3548

EMC Directive 89/336/EEC, EN 55022:98, EN 61326:97, A1:98 Annex C, EN 61000-4-2, EN 61000-4-3

LV Directive 73/23/EEC, EN 610010.1 (1993)

Certifications and Compliance

CAN/CSA-C22.2 No. 60950-1-03

CAN/CSA-C22.2 No. 1010.1-92 CSA-C22.2 No. 1010.1B-97, UL/ANSI 3111-1