

Latch-Test™

Security/Alarm Tone Generator



Key Features

- Tone generator with two tone amplitude levels (normal and half)
- Half amplitude that is unbalanced for stronger signal on twisted pairs
- Three distinctly different tones easily selected from front panel
- Audible and visual indication of continuity results with the option to turn off audible
- Constant amplitude signal over life of battery for constant signal strength
- Auto-off after three hours in tone mode



Applications

- Tests sensors, switches, and circuits used in security/alarm systems
- Checks continuity of a circuit using one of six modes
- Checks status of a phone circuit
- Sends tone for tracing

The Latch-Test™ is a tone generator specifically designed for testing switched loops, thereby meeting tone generator and continuity test needs for the security and alarm industry. Its combined tone generator and continuity test functions create a constant output tone generator that is seamlessly integrated with a six-mode continuity tester. It delivers an accurate, easy-to-read status of a circuit's continuity in real time and can perform a latch of the occurrence of a selected event. The continuity indication can be both visual and audible (or visual only). Battery life is maximized by low-power circuitry, regulated outputs, auto-off, and battery low indicator.



Specifications
Power

Battery
 – Typical, one 9 V alkaline, 540 mA-hr, not included 120 hrs

Tone Frequencies (±1%)

– Dual 1,165 and 874 Hz
 – Single 999 Hz

Tone Power

Typical (into 600 Ω, new battery to 5.0 V)
 – LO 1.7 dBm
 – HI 7.6 dBm

Continuity Thresholds

Loop R open >4.5 kΩ
 Loop R closed <1.5 kΩ
 Typical threshold 3 kΩ

Voltage Protection

Status and tone
 – DC 60 V continuous
 – AC 300 V peak, 2 s

Continuity

– DC 140 V
 – AC 140 V RMS

Dimensions

Length 11.4 cm (4.5 in)
 Width 4.4 cm (1.8 in)
 Depth 3.3 cm (1.3 in)
 Weight (with battery) 142 g (5 oz)

Ordering Information
Latch-Test Security/Alarm Tone Generator
TG300

– Includes molded alligator clips cord set, 19 cm (7.5 in) RJ12 to RJ12 cable for no-fault connection to RJ11 or RJ45 jacks (TP20), lanyard, and pouch (PC150). Requires 9-volt battery (not included).

Latch-Test Security/Alarm Tone Generator with Tone Tracer Probe
KP106

– Includes Latch-Test Security/Alarm Tone Generator with molded alligator clips cord set (TG300), 19 cm (7.5 in) RJ12 to RJ12 cable for no-fault connection to RJ11 or RJ45 jacks (TP20), Tone Tracer Probe (TT100), lanyard, round and paddle-style tips, and pouch.

Accessories

19 cm (7.5 in) RJ12 to RJ12 cable for no-fault connection to RJ11 or RJ45 jacks TP20
 Tone Tracer Probe TT100
 Pouch PC150

Warranty

JDSU guarantees that its products will be free of all defects in material and workmanship. This warranty extends for the period of 12 months for test instruments and 3 months for cables from date of manufacture or purchase (proof of purchase required).

All products deemed defective under this warranty will be repaired or replaced at the discretion of JDSU. No further warranties either implied or expressed will apply, nor will JDSU assume responsibility for operation of this device.

Test & Measurement Regional Sales

NORTH AMERICA TEL: 1 866 228 3762 FAX: +1 301 353 9216	LATIN AMERICA TEL: +55 11 5503 3800 FAX: +55 11 5505 1598	ASIA PACIFIC TEL: +852 2892 0990 FAX: +852 2892 0770	EMEA TEL: +49 7121 86 2222 FAX: +49 7121 86 1222	www.jdsu.com/know
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