

# Tonax™

## Coax Tone Generator



### Key Features

- Tone and trace coax cable through splitters, wire shorts, and terminated cable to active components
- Built-in F-connector for coax cable
- Three tone outputs
- POTS line simulator
- Status indicators for off-hook and shorts
- Constant output in all modes for the life of the battery
- Auto-off in any mode

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FROST &amp; SULLIVAN

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### Applications

- Trace and troubleshoot wires in a home, business, or MDU complex
- Tone trace for triple-play installations, home theater, security, multi-room audio, satellite, and phone systems
- Locate wires lost in a wall
- Trace coax runs in a daisy chain, through splitters, or in shorted cables
- Check continuity of a circuit

The field-proven Tonax™ Coax Tone Generator is optimized to tone on coaxial cable systems as well as for phone and data cabling. The compact and rugged Tonax includes a high-power tone generator mode that enables tracing through un-grounded splitters or to equipment as well as tracing terminated or shorted coax cable. Probe mode is used for conventional tone tracing. The low-power tone generator mode supplies tone voltage and current comparable to common tone generators. The POTS simulator mode supports line voltage, line current, and dial tone functions with a talk battery performance that performs better than common tone generators.

Datacom contractors, telco installation and maintenance technicians, enterprise technicians, and cable installers and contractors alike value the tone strength, ability to tone and trace through splitters, multiple interfaces (phone, data, and coax), and generous talk battery capability of Tonax.



**Specifications**
**Electrical**
**Power Requirements**

One 9 V alkaline battery (not included)

**Battery Life** (alkaline, 540 mA-hr, not included)

Times for exclusive use in (typical):

Standby mode	2 yrs
POTS simulator, on hook	40 hrs
POTS simulator, off hook	8 hrs
Tone mode, Probe mode	27 hrs
Tone mode, Coil mode	13 hrs

**POTS Simulator**

On-hook voltage	20 V DC nominal
Off-hook current (standard 430 Ω load)	21 mA nominal
Dial tone (into 600 Ω)	-21 dBm

**Output Terminals Withstanding Voltage**

Tone modes	250 V peak AC or DC
POTS simulator	25 V peak AC or DC

POTS line, protection device will operate

**Tone Generator**

(Constant output from new battery to 5.4 V)

Tone frequencies (±1%)	
– Dual	977 and 814 Hz
– Single	977 Hz

**High Power**

Probe mode

– Tone voltage, typical (open circuit)	20 V p-p
– Tone power, typical (into 600 Ω)	18 dBm

Coil mode

– Tone current, typical (into 75 Ω)	400 mA p-p
– Tone power, typical (into 75 Ω)	280 mW

**Low Power**

Probe mode

– Tone voltage, typical (open circuit)	5V p-p
– Tone power, typical (into 600 Ω)	6 dBm

**Physical**

Dimensions	11.4 x 4.4 x 3.3 cm (4.5 x 1.75 x 1.3 in)
Weight	142 gm (5 oz) with battery

**Ordering Information**
**Tonax Coax Tone Generator**
**TG455**

– Includes molded alligator clips set, shielded F-connector adapter (TG31), and 3.05 cm (10 ft) safety ground cable (TG32). Requires 9-volt battery (not included).

**Tonax Coax Tone Generator with Resi-Tracer™ Probe**
**KP323**

– Includes Tonax Coax Tone Generator with molded alligator clips set (TG455), 30.48 cm (12 in) coax cable (TG30), shielded F-connector adapter (TG31), 3.05 m (10 ft) safety ground cable (TG32), Resi-Tracer Probe (TT300), and pouch.

**Tonax Coax Tone Generator with Resi-Tracer Probe and modular adapter kit**
**KP120**

– Includes Tonax Coax Tone Generator with molded alligator clips set (TG455), 4- and 8-position mod adapter and cable kit, 19 cm (7.5 in) RJ12 to RJ12 cable for no-fault connection to RJ11 or RJ45 jacks (TP20), 30.48 cm (1 ft) patch cable with RJ45 connectors (TP55), Resi-Tracer Probe (TT300), 30.48 cm (12 in) coax cable (TG30), shielded F-connector adapter (TG31), 3.05 m (10 ft) safety ground cable (TG32), and pouch.

**Accessories**

30.48 cm (12 in) coax cable	TG30
Shielded F-connector adapter	TG31
3.05 m (10 ft) safety ground cable	TG32
Resi-Tracer Probe	TT300

**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**

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