

# 701K | Classic Tone and Probe Kit

## PRODUCT DESCRIPTION

The kit comprises the 77HP High Power Tone Generator and the 200EP Inductive Amplifier in a rugged woven polyester carrying case.

### 77HP Tone Generator

When it comes to tone generators, more technicians choose the 77HP over any other brand. The 77 series Tone Generators have become an industry standard component in the tool kit of technicians in all premises and outside plant wiring industries. The 77HP can be used on twisted pair wiring (Telecom, Datacom, security / alarm, audio and electrical), single conductors, coaxial cables, de-energized AC wiring and just about any other wiring you can think of.

### 200EP Inductive Amplifier

Powerful receiver gain permits accurate identification in even the most congested cable bundles and equipment rooms. The 200EP includes a powerful 2 inch speaker and a recessed, on/off push button control to prevent accidental operation. The 200EP offers adjustable volume control for precise identification when tone signal “bleed” is affecting the identification process. Additionally, the 200EP includes recessed tabs for buttset or headset connection that, when connected, bypass the probes speaker. This is especially useful when working in noisy environments or locations where the speaker noise may disturb customers.



### Features

- Fast, Accurate Wire Identification
- Sends Tone to Identify Wires
- Two Distinct Tone Signatures
- Polarity Indication
- Continuity Test
- Talk Battery supply
- Adjustable Volume Control
- Visual and Signal Strength Indication
- Large Speaker for Noisy Environments
- Facility for Headset/Buttset connection
- Choice of Metallic or Plastic Probe Tip
- 2-Line Modular Test Lead
- 3-Colour LED identifies AC Ring Voltage
- Rugged Industrial Design

Both the 77HP and the 200EP can be purchased separately and are part of a series of Tone Generators and Probes designed to meet the price and performance requirements of the various trades involved in cable installation and maintenance. In addition to this series (detailed overleaf) Tempo supply a number of application specific designs including, Modular Breakout Tone Generator, LAN Toner with HUB Blink, Tone Test Set, Alarm Loop Verifier Tone Generator, Data Mate, AC and DC coupled 1kHz Tone Generator and associated probe.

The various Tone Generators are matched with the appropriate Probe and are offered as a kit complete with carrying case for a variety of applications.

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## SPECIFICATIONS:

### 77HP Tone Generator

#### ELECTRICAL:

Output Voltage (Talk Battery into 600Ω ): 4.5VDC  
 Output Power (into 600Ω ): +7 dBm  
 Tone Frequency (nominal) alternating 900/1100Hz+/- 1%  
 constant 900Hz +/- 1%  
 Voltage Protection (into a 600Ω Circuit): 52VDC

#### POWER SOURCE:

Battery: 1 x 9V  
 Battery Life (nominal): 50 hours

#### ENVIRONMENT:

Operating Temperature: 0°C to 50°C (32°F to 122°F)  
 Storage Temperature: -50°C to 75°C (-58°F to 167°F)

#### PHYSICAL:

Length: 58mm (2.25 inches)  
 Width: 51mm (2.0 inches)  
 Depth: 32.0mm (1.25 inches)  
 Weight: 0.13kg (0.28 lbs)

#### WARRANTY

One Year

### 200EP Inductive Amplifier

#### ELECTRICAL:

Gain: 26dB  
 Input Impedance: 100MΩ (200B 3.5MΩ)  
 Probe Tip Resistance (min): Plastic Tip 300Ω  
 Frequency Range: approx. 500Hz – 5kHz

#### POWER SOURCE:

Battery: 1 x 9V  
 Battery Life (nominal): 50 hours

#### ENVIRONMENT:

Operating Temperature: 0°C to 50°C (32°F to 122°F)  
 Storage Temperature: -50°C to 75°C (-58°F to 167°F)  
 Relative Humidity: 80%

#### PHYSICAL:

Length: 229mm (9.0 inches)  
 Width: 54mm (2.125 inches)  
 Depth: 28mm (1.125 inches)  
 Weight: 0.16kg (0.34 lbs)

#### WARRANTY

One Year

200 Series Inductive Amplifiers Features and Specification	Model Numbers		
	200EP	200GX	200FP
Powerful 2 inch Speaker	✓	✓	
Powerful Rear Fire Speaker			✓
One Button Operation	✓	✓	✓
Adjustable Volume Control	✓	✓	✓
LED for Visual Signal Strength Indication	✓	✓	✓
Recessed Tabs for Test Telephone or Headset connection	✓	✓	✓
Speaker Bypass When Using Recessed Tabs		✓	
Noise Filtration			✓
Continuous ON Feature			✓
Five Minute Auto Shut OFF			✓
Low Battery Indicator			✓

7 Series Tone Generators Features and Specification	Model Numbers		
	77HP	77HP/6A	77HP/6AC
Selectable Warble	✓	✓	✓
Continuity Testing	✓	✓	✓
Polarity Testing	✓	✓	✓
Talk Battery Supply	✓	✓	✓
4-Line Modular Test Lead-RJ11	✓	✓	✓
4-Colour LED Ring Voltage	✓	✓	✓
Weather Resistant	✓	✓	✓
Proc Clips	✓		
Alligator Clips		✓	✓
Coil Test Lead			✓

