

# Setting a New Standard.

Forget everything you've previously considered a "must have" in a professional quality telephone test set. Progressive Electronics has set a new standard. Our new series of telephone test sets offer technicians at every level the functions, features, and quality they need in this ever changing world of communications. With leading edge designs\* in every aspect of these new models, you'll soon realize what we mean by, "Gone to Extremes".

\* patents pending

**PE 930**  
• Adjustable Ringer



**PE 940**  
• Amplified Speaker



**PE 945**  
• 2-Way Hands Free



**PE 950**  
• Amplified Speaker  
• DigAlert™ Lock-Out



For a period of three full years, we will repair or replace any unit which proves to be defective in parts or workmanship provided the unit is returned to the factory by the original purchaser.

## Universal Features

- Award Winning Waterproof Design (IEC 60529 IP67 Rated)
- Tone and Pulse Dial
- Built-In Ringer with Adjustable Ring Tones
- 10 Number Speed Dial Memory (32 Digits Each)
- Last Number Re-Dial
- Precise Hook Flash
- Microphone Mute
- Easy to Use Talk and Monitor Keys
- Audible and Visual Mode Indicators
- Polarity Test in Any Mode
- Low Battery Indicator
- Drop Tested to 20 Feet
- Digital Safe Monitor
- Automatic Ground Start Operation (optional ground start wire kit available)
- Three Year Warranty
- Unique 'Quick Release' Belt Clip
- Premium Cordset with Bed-of-Nails and Piercing Pin Clips



**PE 960**  
• 2-Way Hands Free  
• DigAlert™ Lock-Out

# Telephone Test Sets

<i>Look for these key features...</i>	<i>PE 930</i>	<i>PE 940</i>	<i>PE 945</i>	<i>PE 950</i>	<i>PE 960</i>
Data Safe Monitor	•	•	•	•	•
Adjustable Ringer	•	•	•	•	•
Waterproof Design <sup>†</sup>	•	•	•	•	•
Loud Speaker Listening		•	•	•	•
2-Way Hands Free			•		•
DigAlert™ Data Lock-out				•	•

<sup>†</sup>IEC IP67 RATED

## *What does "Waterproof" mean?*

Progressive takes the hype out of common phrases like "rain proof" and "splash safe" with our revolutionary new case designs. In the test equipment world, water is the worst enemy, so we have a tough standard for the word "waterproof". Our telephone test sets are proof tested to an IEC IP67 rating. Meaning, these units will not only withstand a monsoon rain, they can actually be submersed in water for a period of time. (It isn't likely for that to occur because all models will actually float!) Our new plastics even won the Modern Plastics International Design Award for Electronics.

## *Why DigAlert™ ?*

When working around telephone wiring the chance that you will encounter digital service lines increases every day. An ordinary telephone test set can damage digital service lines or, at the very least, knock them out of service for a while. With DigAlert™ protection you don't have to worry about accidentally intruding into digital services like ADSL, ISDN, T-1 and other high capacity circuits. We've even incorporated a unique over-voltage alarm and lockout feature in all five models if you should accidentally connect to a DSL power feed.



# PE900 SERIES SPECIFICATIONS

## LINE ELECTRICAL

Maximum Loop Length	5,000Ω
Minimum Loop Current	10mA
Maximum Off-hook Resistance	300Ω
Minimum DC Resistance in Idle, Monitor and Lockout	10MΩ at 300 VDC
AC Impedance in Monitor	400kΩ at 1 kHz
Line High-DC Lockout Range	120 VDC minimum 450 VDC maximum

## DIAL SIGNALING

Pulse (rotary) Dial	
Pulse Rate	10 pulse per second
Break Proportion	60%
Break Interval Resistance	1MΩ minimum
Inter-digital Interval	800μs
Dual-tone Multifrequency (DTMF) Level	-3 dBm nominal
Flash (Time-break Recall) Duration	600ms nominal
Speed Dial Capacity	
Stored Numbers	10
Stored Number Length	32 digits per storage number
Programmed Pause Duration	4 seconds per key press

## BATTERY OPERATION

9 VDC Alkaline Battery Operating Life or	3 months of typical use 30 hours of continuous loudspeaking
Auto Battery Saver (with warning tone) Power Off When No Line DC	90 seconds
Power Off With Line DC	20 minutes

## ENVIRONMENT

Operating Temperature	-34°C to 60°C -29°F to 140°F
Storage Temperature	-50 °C to 75°C -58°F to 167°F
Dust and Water Resistance	IP67 per IEC 60529
Physical Shock	TRY-TSY-000344 Bellcore

## Accessories

### PE901 Ground Start Cordset

Simple-to-install ground wire assembly provides convenient operation when working on ground start circuits. All models are equipped with internal circuitry to support operation. Banana plug at end of cord permits extension to be removed when not required to help avoid tangled leads.

### PE902 Replacement Cordset

Premium quality, braided nylon, red and black cordset with combination (angled bed-of-nails and piercing pin) bent nose clips. Simple field replacement.

## Ordering Information

Catalog Number	UPC Number	Description
PE930	60487	Telephone Test Set w/ Adjustable Ringer
PE940	60488	Telephone Test Set w/ Amplified Speaker
PE945	60489	Telephone Test Set w/ 2-Way Hands Free
PE950	60490	Telephone Test Set w/ Amplified Speaker and DigAlert™ Lock-Out
PE960	60491	Telephone Test Set w/ 2-Way Hands Free and DigAlert™ Lock-Out
<b>Accessories</b>		
PE901	60492	Ground Start Cordset
PE902	60493	Replacement Cordset