



**GREENLEE®**  
**COMMUNICATIONS**  
A Textron Company

# 500XP Pair Tracing Probe

The most advanced telecommunications  
probe on the market today



## ***Designed with the technician in mind.***

Greenlee Communications is proud to introduce the world's most advanced pair tracing probe: the 500XP.

Designed to help technicians install, service, and maintain voice, data, and video (VDV) services with ease, the Greenlee Communications 500XP Pair Tracing Probe gets the job done faster, safer, and easier.

Building on the success of the 200XP and 200FP, the Greenlee Communications 500XP adds new features such as real-time, proportional signal processing and acAlert™ hazardous AC voltage warning. Other features include a headset connection with improved signal fidelity, and advanced Nautilus® ergonomics and environmental protection, helping you get the job done in even the most demanding conditions.

## Features

The Greenlee Communications 500XP features a new 32-bit microcontroller, which allows for advanced digital signal processing. With effective filtering, low power consumption, and a rugged weather resistant body, the 500XP lets you trace wires for longer, and with greater accuracy than ever before.

- **Two Button Control:** Simple, easy to use operation.
- **Dual LED Indicators:** Provides real-time proportional signal strength feedback.
- **acAlert™ Voltage Detection:** Emits audible and visible alerts if brought near wires that have AC mains power voltage.<sup>1</sup>
- **Mains Hum Filtering:** Eliminates hum noise, so you can focus on tracing the correct wire.
- **Bandpass Filters:** Further reduces noise. Separate LED display with real-time signal strength indicators. Best used when combined with Greenlee Tones set to 577 Hz and 983 Hz.
- **Industry Standard:** Works with a variety of toners (500 Hz to 2.5 kHz).
- **Nautilus® Environmental Protection:** Environmentally protected against dust and moisture. Drop and Crush resistant.
- **Three Year Limited Warranty.**

## Specifications

| PRODUCT INFORMATION           |                                                                                                                                |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------|
| FEATURE                       | DESCRIPTION                                                                                                                    |
| Telephone Compatibility       | Suitable for telecommunication network (TNV-3) signals. May also be used on other networks with similar maximum voltage limits |
| Maximum Tip Voltage           | 100V - Emits audible and visible alerts if brought near 50 - 60 Hz AC power cables (acAlert™)                                  |
| Maximum Transient             | 500V (1.2 / 50 μs)                                                                                                             |
| Sensitivity                   | Adjustable, 0 dB to ≥ 60 dB                                                                                                    |
| Frequency Response            | 200 Hz to 3 kHz                                                                                                                |
| Crush Resistance <sup>2</sup> | 220 lb (100 kg)                                                                                                                |
| Drop Resistance <sup>3</sup>  | 10 ft (3 m)                                                                                                                    |
| Dust Resistance               | IP67 Rated: Total Dust Ingress Protection                                                                                      |
| Water Resistance              | IP67 Rated: Can be submerged in 6" (0.15 m) of water for up to 10 minutes. Floats                                              |
| Operating Temperature         | -4 to 122°F (-20 to 50°C)                                                                                                      |
| Hearing Protection            | < 103 dB SPL Peak when used with Greenlee headsets                                                                             |
| Battery Type                  | 9V PP3                                                                                                                         |
| Battery Life                  | > 50 Hours                                                                                                                     |

## Ordering Information

| CAT NO. | UPC NO. | DESCRIPTION                      | QTY. |
|---------|---------|----------------------------------|------|
| 500XP   | 01125   | 500XP Pair Tracing Probe (POS)   | 1    |
| 500XPB  | 01085   | 500XP Pair Tracing Probe (Boxed) | 1    |
| HS001   | 01126   | Replacement Headset              | 1    |

### DISTRIBUTOR INFORMATION:

<sup>1</sup>acAlert™ warns of the presence of hazardous voltage. The 500XP is not intended to be come in direct contact with any external power supply, but is safe up to 100V.

<sup>2</sup>Distributed load.

<sup>3</sup>Water and dust resistance cannot be guaranteed if damage to the casing occurs.

