# PDA10
## Wireless Surveying Tool Kit



**WIRELESS SYSTEM**

## INTRODUCTION

The *handheld* and *target* units may be used to survey wireless signal strength throughout non-hazardous areas of a facility prior to PDW30 or PDW90 equipment installation. The *target* unit is set in a desired installation location and the *handheld* is brought to another installation location. The *handheld* unit will provide an indication of signal strength between the two units. Repeat this process at all desired installation locations to attain an accurate representation of what kind of signal strength to expect after PDW30 or PDW90 installation.

## FEATURES

- **Convenient, portable Handheld Unit and Target Unit**
- **32-Character Dual-Line Alphanumeric Dot Matrix LCD with Backlight**
- **Buttons for Cycling Through Network IDs, Repeaters, and Field Units**
- **Carrying Case with Instructions and includes CD Manual Inside**

**PRECISION DIGITAL CORPORATION**

# PDA10 Wireless Surveying Tool Kit

## Simple to Use Buttons

The four buttons on the face of the handheld unit make it simple to power on the unit and start testing your devices for wireless signals. Cylce through any of your network to test field units and repeaters for strong wireless signals.

**Display:**
32-Character Dual-Line Alphanumeric Dot Matrix LCD with Backlight

**Wireless Antenna:**
Rugged, fully weatherized, omni-directional pattern.

**Network Button:** Cycle through network IDs while scanning.

**Repeater Button:** Cycle through detected network repeater modules.

**Power Button:** Press to power the units on or off. Press and hold to turn units off at any time.

**Field Unit Button:** Cycle through detected field units.

CONNECTED: 100%
SIGNAL:    HIGH

HANDHELD UNIT

**SITE TEST WITH TARGET UNIT**
1. Press POWER on both units
2. Test signal at desired locations
**NETWORK TROUBLESHOOTING**
1. Press POWER on Handheld Unit
2. Press NETWORK to start scanning
3. Press NETWORK to select the network to be tested
4. Press REPEATER or FIELD UNIT to change units being measured

▲ *PDA10 Handheld Unit Shown*

## SPECIFICATIONS

### General

**Display:** 32-Character Dual-Line Alphanumeric Dot Matrix LCD with Backlight (4.68mm x 2.21mm characters)
**Power:** Two AA Batteries

### Wireless Radio

**Frequency:** 900 MHz
**Interference Reduction:** Frequency Hopping Spread Spectrum (FHSS)
**Range:** 500 ft (152.4 m) indoor, 1 mi (1.61 km) outdoor (line-of-sight)
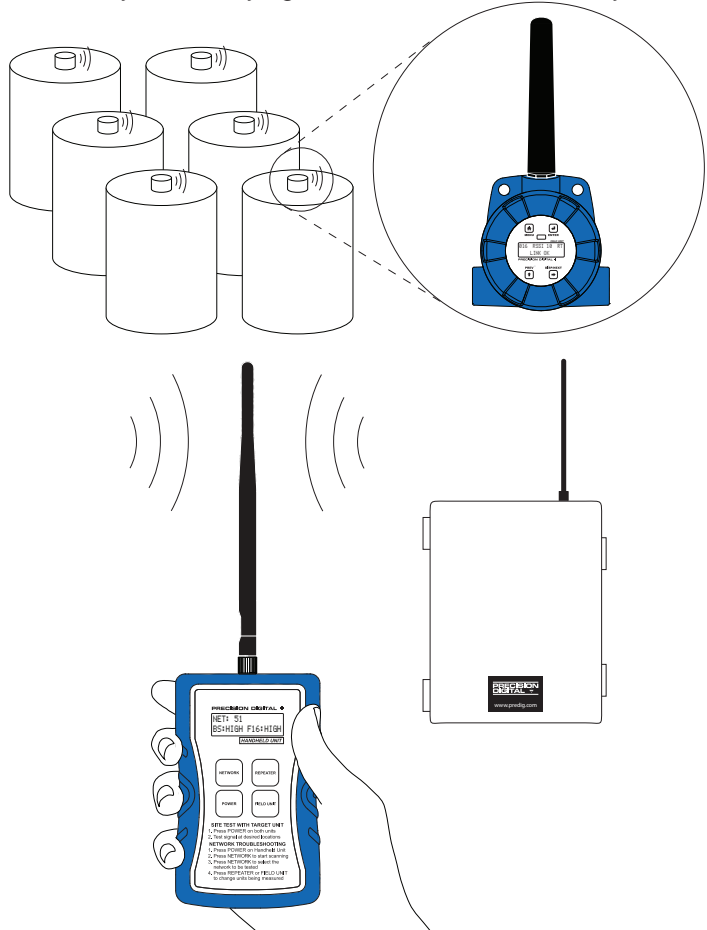**Power Output:** 24 dBm (250 mW)
**Sensitivity:** -101 dBm

## ORDERING INFORMATION

| Accessory for PDW30 and PDW90 | |
|---|---|
| **Model** | **Description** |
| PDA10 | PDW Wireless Signal Strength Survey Tool |

## APPLICATION

The PDA 10 Wireless Surveying tool kit may be used for a sight survey before installation or purchase of a PDW30 or PDW90 wireless system.

The PDW10 may also be used to troubleshoot existing installations. The handheld unit will scan through network IDs until it discovers wireless devices on one of them. It will then provide an indication of connected signal strength to the discovered units. This may prove useful if you are, for example, attempting to install additional field units to your PDW90 system or trying to troubleshoot connectivity issues.

### Your Local Distributor is:

LDSW10_A    12/16