## Printing Details:

Pages 2-3 are for printing, this information is **NOT** to be printed.
Font Type: Prometo Bold (Headings & Subheadings), Saira Regular (Body Text)

## Format:

Page size: 150 mm x 200 mm
Artwork printed on both sides

## Paper/Ink Details:

80 lb. standard paperweight, Full colour
(CMYK separations).

| NAME | TV220E and TV220EX QUICK REFERENCE CARD |
|---|---|
| Part # | QR-TV220E REV 0 |

# CableScout™ 220
## Quick Reference
Models TV220E and TV220EX



## Introduction

CableScout 220E is a highly advanced time domain reflectometer for telecommunication technicians to diagnose trouble on modern hybrid cable tv networks or similar 75-ohm coaxial cable systems. It can additionally be used on other types of cable, either directly or via a matching transformer.

## Getting Started





### Charge the Battery

Before first use charge the battery for at least one hour. Connecting the included AC adaptor or DC vehicle power lead to the 12V input socket at the back of the unit. The LED alongside will indicate that the unit is charging.

### Power On

Press and release the button ⏻. The display should light up and display the product logo.

### Settings

Upon first power up the settings screen should be shown. If not, select the settings ☰ menu and set the unit to your local time, preferred language, distance units etc.

### Full Instructions

The full operating instruction for the CableScout can be accessed in your language by pressing the help button (?) at any time.

# Specifications

## General
- Power Source: Internal Lithium Polymer Battery, four cells x 15 Wh
- External Power: 12V dc (10 to 15 V), 2.5 A
- Typical operating time: >8 hours at typical screen brightness
- Display: 7" (180 mm) diagonal, 1024 x 600 full colour
- Backlight: 0 to 800 nits
- Result storage: Internal flash drive
- Connectivity: USB (OTG), Ethernet (100 base T), Wi-Fi*, Bluetooth*
- Operating temperature: 0 to 50 C
- Storage temperature: -20 to 70 C
- Size: TV220E 262 x 162 x 55 mm, TV220EX 291 x 178 x 93 mm
- Weight: TV220E 1.15 kg (2.54 lb), TV220EX 2.30 kg (5 lb)

## Test Specifications
- Type: Pulse
- Pulse shape: ½ sine
- Pulse widths: 1, 5, 25 ns precision, 125, 250, 500 ns digital
- Impedance: 75 ohm
- Amplitude: >5V peak
- Input voltage protection: ±400 V peak*
- Overvoltage category: CAT-I (TNV-3, 1.5 kV surge)
- Filtering: 1, 2, 4, 8, 16, 32
- Maximum distance: 18.3 kft (5.58km) @ VoP = 0.93
- Horizontal resolution: 204 ps (approx. 75 mm or 3")

*CAUTION ⚠ NOT FOR TESTING POWER CIRCUITS WITHOUT SUPPLEMENTARY ISOLATION
Designed and manufactured in the USA by Tempo Communications Inc.,
1390 Aspen Way, Vista, California USA, 92081, using components sourced globally.
www.TempoCom.com