

Press Release

FOR IMMEDIATE RELEASE

February 3, 2012

AEMC® Introduces the *NEW* Fault Mapper Pro® Model CA7027

The Fault Mapper Pro® is a hand-held graphical TDR (Time Domain Reflectometer) designed for identifying and locating faults on power and communication cables, given access to one end only.

The Fault Mapper Pro® measures cable length and indicates the length and distance to cable faults to a range of 9 ft (3m) to 19,000 ft (6000m) on virtually any type of cable. It injects a series of pulses into the cable under test. The velocity at which the pulses travel is determined by the type of cable, which is known as the velocity of propagation (Vp) of the cable. The Velocity of Propagation (Vp) is adjustable between 1% and 99% enabling accurate calibration to the cable under test.

The Vp value is expressed as a percentage of the speed of light (e.g. 67% or ft/mtrs/micro-second), this value will vary according to the type of cable under test. The Fault Mapper Pro® can accept user selectable values between 1 and 99% (or the equivalent value in feet or meters per micro-second).

Based on the selected Vp and the time taken for the pulses to travel through the cable, a reflection profile of the cable under test is displayed. An adjustable cursor assists in locating faults and termination.

The Fault Mapper Pro® incorporates an oscillating tone tracer, which is detectable with a standard tone tracer, for use in the tracing and identification of cable pairs.

FEATURES:

- 11 range scales indicating cable faults and terminations up to 19,000 ft (6000m) in feet or meters
- Detects opens, shorts, taps, faulty taps, bridge taps, splitters, high resistance, wet cables, splices and more
- Identifies impedance mismatches
- Works with twisted pair, parallel and coaxial cable
- Selectable cable impedance (25Ω, 50Ω, 75Ω, 100Ω)
- Over-voltage protection up to 250V
- Adjustable cursor assists in locating faults and termination
- Built-in tone generator for tracing and locating cables
- Auto-Ranging scale
- Large high-visibility blue electroluminescent backlit display



Cat. #: 2127.84.....Price: \$995.00

[Full Product Information – Model CA7027](#)

APPLICATIONS:

- Determine length of cable runs
- Find cable faults and the distance to them
- Determine degradation of cables due to moisture and other contaminants
- Trace and identify cables
- Determine telephone cable connections and the length to them

SUBMITTED BY:

Kathleen Annis, *Marketing Communications Manager*
AEMC® Instruments
200 Foxborough Blvd. • Foxborough, MA 02035-2872
(508) 698-2115 • (508) 698-2118 (fax)
marketing@aemc.com

TECHNICAL CONTACT:

Ray Brady, *Technical Engineer*
techsupport@aemc.com