Coax Clarifier™
Test, Identify, and Qualify Dark Coax Networks.

All in one powerful handheld instrument.
Dark unpowered coax systems give no clue as to their design, condition or configuration. The new Coax Clarifier™ makes it easy to discern the layout of a dark coax network, locate faults on individual cable runs, identify remotes through splitters, and determine cable run lengths. Separate wiremapping sets allows mapping the entire coax system and measure the quality and network characterization for carrying high grade video, surveillance data and HD programming.

Test, Identify, and Qualify Dark Coax Networks.

- Identifies cable faults
- Displays cable run quality
- Detects Coax RF Remotes through splitters
- Locates splitters in the system
- Tests and grades splitter performance
- Measures cable length up to 1,500 feet
- Wiremaps up to 12 coax locations

Benefits
- Fast testing using multiple wiremapping remotes
- Quickly discover coax system layout configuration to save time
- All testing in one unit: Discovery, Quality and Condition
- Clear concise measurement display for easy understanding of capability of each run

Coax Run Mapping
Maps runs through splitters to show an accurate picture of the coax system layout using up to 4 Coax RF Remotes. Up to 12 ID Only Coax Remotes are also available for wiremapping on home runs.

Cable Length
Determines cable run length and reports the location of an open or unterminated cable.

Quality of Network
Measures overall network quality and clearly depicts network reading as both a bar graph and a digital return loss number, measured in dB.

Tone Tracing
Traces coax runs with four unique tones to quickly distinguish between respective outlets.
**Coax Clarifier**

**Shines light into dark coax networks**

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### Multiple Testing Modes

![Image of Coax Clarifier](image)

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### Specifications

| Physical Dimensions | Size: 17.3 x 8.0 x 3.3 cm (6.8 x 3.15 x 1.3 inches)  
|                     | Weight: 340 grams (12.0 oz.) with battery |
| Power              | 4 AA alkaline batteries  
|                    | • Standby: 4 years  
|                    | • Active: 20 hours average |
| Operating Environment | • Operating temperature: 0 to 50°C (32 to 122°F)  
|                     | • Storage temperature: -20 to 60°C (-4 to 140°F)  
|                     | • Humidity: 10% to 90%, non-condensing  
|                     | • Altitude: 3,050 meters (10,000 feet) maximum |
| Quality (Return Loss) | 0.0 to 60.0 dB |
| ID Only Coax Remotes | 100 ohms maximum DC resistance, center conductor plus shield |
| Coax RF Remotes     | 17dB maximum attenuation to remote location (splitters, cable, etc.) |
| Audio Frequency Tone | • 1,000 and 600 Hz – 4 patterns (High only, Low only, 2 warble tones)  
|                     | • 3.3Vp-p (pin or shield), 6.6Vp-p (both pin and shield) open circuit |
| Radio Frequency Tone | 10, 20, 30 or 40MHz, 1Vrms into 75 ohms |
| Battery Low Level   | Approximately 4 volts |
| Capacitance Length  | • Range – 0 to 1,500 ft (457 meters) min at 15pF/ft length constant  
|                     | • Accuracy – ±5% ±1ft (0.5 m) with correct length constant  
|                     | • Length Constant Range – 10.0 to 40.0 pF/ft (33 to 131pF/meter) |
| Compliance | Complies with Conformité Européenne directives. |
| Warranty | 1 year - see product for details |

### Kit Part Numbers & Accessories

- **TCC200**: Coax Clarifier™ with 2 Coax RF Remotes, TRK104, TCA004, 18303, 18304(3), 18301(3), 18306(4) and 4007
- **TCC220**: Coax Clarifier™ with 4 Coax RF Remotes, TRK112, TCA004, 18303, 18304(5), 18301(5), 18306(4) and 4007

#### Accessories

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<tr>
<th>Product Number</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>TCR001</td>
<td>No. 1 Coax RF Remote</td>
</tr>
<tr>
<td>TCR002</td>
<td>No. 2 Coax RF Remote</td>
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<tr>
<td>TCR003</td>
<td>No. 3 Coax RF Remote</td>
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<tr>
<td>TCR004</td>
<td>No. 4 Coax RF Remote</td>
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<tr>
<td>TRK104</td>
<td>Nos. 1 – 4 ID Only Coax Remote Set in Foam Holder</td>
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<tr>
<td>TRK112</td>
<td>Nos. 1 – 12 ID Only Coax Remote Set in Foam Holder</td>
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