



Datasheet for SignalTEK CT

RJ-45 Interface:

Test port (Test Unit and Remote Unit) - 8 Pin Shielded RJ45 socket. User replaceable contacts.
Used for: Data cable testing

USB Interface:

USB port (Test Unit only) - Host, USB 1.1. Used for: Software Update, User logo download (logo.png file 250x160 pixels max) and Results upload

USB port (Remote Unit only) - Host, USB 1.1. Used for: Software Update

Power:

Power (Rechargeable power module only) - 2.5mm pin power jack, centre pin positive, 12v, 2 amp). Used for: Battery charging and mains powering via adaptor

Cable Types:

- Cat 3/5/5e/6/6A/7 Ethernet cable
- Shielded / Unshielded
- 2-Pair / 4-Pair
- TIA 568A / 568B colour scheme

Data Performance Test:

- Line rate - 1Gb/s (4-Pair) / 100Mb/s (2-Pair)
- Ethernet frames sent / received - 823452 frames (1Gb/s) / 81274 frames (100Mb/s)
- Frame size - 1518 bytes
- Error limit - zero frame errors
- Test duration - ~10secs

Length Measurement:

- Termination - Remote Unit / short circuit / open circuit
- Units - metres / feet
- Maximum cable length - 180m / 600ft
- NVP range 59% - 89%
- Accuracy (NVP set correctly) - 5%
- Resolution - 1m / 1ft

Voltage Detection: Over-voltage warning - ~5volts

Tone Generator: Tones - 3. Applied to - any pin / any pair

Results:

- Max Number of Jobs (Projects) - 50
- Max total number of result sets - 5000.
- Format - .pdf / .csv

**Battery (Test Unit and Remote Unit):**

- Rechargeable NiMh (standard)
- Holder for 4 x AA cells (optional - 151052)
- Autonomy – 5 hours continuous operation (rechargeable power module)

Weights and Dimensions:Test Unit / Remote Unit:

Dimensions Length - 175mm
 Width - 80mm
 Depth - 40mm
 Weight (including rechargeable power module) - 0.4 kg

Shipping:

Dimensions: Length - 440mm
 Width - 280mm
 Depth - 115mm
 Weight - 2.5 kg

Environmental and Approvals:

Temperature: Operating: 0°C to 40°C
 Storage: -20°C to 70°C

Relative Humidity: Min: 5%
 Max: 90% non-condensing

EMC: EN 55022:2006 / A1:2007
 EN55024:1998 / A1:2001 / A2:2003

Safety: IEC 60950-1:2005+A1:2009/EN 60950-1:2006+A1:2010