IDEAL NETWORKS

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/6/6_A/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

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Proof of Performance