GN NetTest CMA4000 CMA4413 Specs
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CMA4000 SPECIFICATIONS

## CMA4000 Specifications

| | |
|---|---|
| Display | VGA LCD Display (8.4" color or 8.2" monochrome) |
| Mass Storage | Up to 125 traces internal storage. Over 65,000 traces with optional hard drive.<br>Up to 180 traces for a standard 3.5 inch, 1.44 MB floppy disk.<br>Floppy disk drive comes standard |
| Stored Data Points | up to 16,000 |
| Group Refractive Index Setting | 1.400000 - 1.699999 |
| Loss Modes | ORL, 2-point, 2-point LSA, dB/KM, dB/KM LSA, splice, reflectance |
| Trace Compare Modes | Overlay, Delta Trace Compare, Align |
| Data Acquisition | Real Time, Fast Scan, Medium Scan, Slow Scan, Timed Average (user selectable) |
| Information Output | Trace display, FAS event table, integrated trace display with event information window, header page, measurement parameters, ASCII report |
| Analysis | High speed integrated fiber analysis |
| Vertical Scale Settings | 0.125/0.25/0.5/1/2/4/8 dB (module dependent) |
| Horizontal Scale Settings | 0.001 km/div. to 0.448 km/div @ 2 km; 0.001 km/div. to 57.304 km/div. @ 256 km (IOR = 1.5) |
| I/O Ports | Standard: Integral alpha-numeric keyboard, (2) RS-232 Serial, (1) Parallel, VGA, Mouse, External Keyboard Port |
| Language Capability | English standard (others per request and may require hard drive option) |
| Physical Dimensions & Weight | 9.5" H x 13.5" W x 3.75" D (24.1 x 34.3 x 9.5 cm) / 11.0 lbs. (4.9 kg)<br>Includes mainframe, battery and one module |
| Power | |
| Power Supply | Autoswitching 92-132 VAC, 47-63 Hz [weight 1.7 lbs. (.77 kg)]<br>184-264 VAC, 47-63 Hz |
| Battery | Sealed Lead Acid Battery Pack [weight 1.4 lbs (0.63 kg)] |
| Battery Life | up to 9 hours maximum per battery,<br>depending on operating mode |
| Recharge Time | 1.5 - 2 hours |

Environmental

| | AC Power | Battery |
|---|---|---|
| Operation: | | |
| Temperature | 0°C to 45°C (32°F to 122°F) | 0°C to 40°C (32°F to 104°F) |
| Humidity | 95% RH max., non-condensing | 95% RH max., non-condensing |
| Maximum Altitude | 50,000 feet | 50,000 feet |
| Storage: | | |
| Temperature | -25°C to 60°C (-13°F to 140°F) | |
| Humidity | 95% RH max., non-condensing | |
| Maximum Altitude | 50,000 feet | |

## Optical Module Specifications [All measurements made using FC/SPC connectors at 25°C (77°F)]

| Models | 4415 | 4414 | 4413 |
|---|---|---|---|
| Center Wavelength | 1310 nm ± 20 nm<br>1550 nm ± 30 nm | 1550 nm ± 30 nm | 1310 nm ± 20 nm |
| Fiber Type | Singlemode 9/125µ | Singlemode 9/125µ | Singlemode 9/125µ |
| Spectral Width (RMS) | 1310 nm: ≤ 10 nm<br>1550 nm: ≤ 10 nm | 1550 nm: ≤ 10 nm | 1310 nm: ≤ 10 nm |
| Dynamic Range[1] (SNR = 1) | 1310 nm: 30 dB<br>1550 nm: 28 dB | 1550 nm: 28 dB | 1310 nm: 30 dB |
| Initial Reflective Deadzone[2] | 1310 nm: 3 meters (typical)<br>1550 nm: 3 meters (typical) | 1550 nm: 3 meters (typical) | 1310 nm: 3 meters (typical) |
| Initial Non-Reflective Deadzone[2] | 1310 nm: 10 meters (typical)<br>1550 nm: 12 meters (typical) | 1550 nm: 12 meters (typical) | 1310 nm: 10 meters (typical) |
| Pulsewidth | 10 ns to 10µs | | |
| Distance Resolution | 0.0001 km; 0.1 meters; 0.001 kft, 1 ft, 0.0001 mi | | |
| Distance Sampling | 0.25, 0.5, 1, 2, 4, 8, 16 meters (range dependent) | | |
| Distance Accuracy | 0.0025% of distance measurement ± distance resolution ± index uncertainty | | |
| Distance Range Setting | 2/4/8/16/32/64/128/256 km | | |
| Loss Resolution | 0.001 dB | | |
| Laser Safety | Meets CDRH Class 1 Requirements (Eye Safe) 21 CFR | | |

| Models | 4425 | 4424 | 4423 |
|---|---|---|---|
| Center Wavelength | 1310 nm ± 20 nm<br>1550 nm ± 20 nm | 1550 nm ± 20 nm | 1310 nm ± 20 nm |
| Fiber Type | Singlemode 9/125µ | Singlemode 9/125µ | Singlemode 9/125µ |
| Spectral Width (RMS) | 1310 nm: ≤ 10 nm<br>1550 nm: ≤ 10 nm | 1550 nm: ≤ 10 nm | 1310 nm: ≤ 10 nm |
| Dynamic Range[1] (SNR = 1) | 1310 nm: 36 dB<br>1550 nm: 34 dB | 1550 nm: 34 dB | 1310 nm: 36 dB |
| Initial Reflective Deadzone[2] | 1310 nm: 3 meters (typical)<br>1550 nm: 3 meters (typical) | 1550 nm: 3 meters (typical) | 1310 nm: 3 meters (typical) |
| Initial Non-Reflective Deadzone[2] | 1310 nm: 10 meters (typical)<br>1550 nm: 12 meters (typical) | 1550 nm: 12 meters (typical) | 1310 nm: 10 meters (typical) |
| Pulsewidth | 10 ns to 10µs | | |
| Distance Resolution | 0.0001 km; 0.1 meters; 0.001 kft, 1 ft, 0.0001 mi | | |
| Distance Sampling | 0.25, 0.5, 1, 2, 4, 8, 16 meters (range dependent) | | |
| Distance Accuracy | 0.0025% of distance measurement ± distance resolution ± index uncertainty | | |
| Distance Range Setting | 2/4/8/16/32/64/128/256 km | | |
| Loss Resolution | 0.001 dB | | |
| Laser Safety | Meets CDRH Class 1 Requirements (Eye Safe) 21 CFR | | |

| Models | 4438 | 4436 | 4534 |
|---|---|---|---|
| Center Wavelength | 1550 nm ± 20 nm | 1310 nm ± 20 nm<br>1550 nm ± 20 nm | 1550 nm ± 20 nm |
| Fiber Type | Singlemode | Singlemode 9/125µ | Singlemode 9/125µ |
| Spectral Width (RMS) | ≤15 nm | 1310 nm: ≤ 10 nm<br>1550 nm: ≤ 10 nm | 1550 nm: ≤ 10 nm |
| Dynamic Range[1] (SNR = 1) | 46.0 dB | 1310 nm: 40 dB<br>1550 nm: 40 dB | 1550 nm: 40 dB |
| Initial Reflective Deadzone[2] | 3 meters | 1310 nm: 3.5 meters (typical)<br>1550 nm: 3.5 meters (typical) | 1550 nm: 3.5 meters (typical) |
| Initial Non-Reflective Deadzone[2] | 5 meters | 1310 nm: 6 meters (typical)<br>1550 nm: 6 meters (typical) | 1550 nm: 6 meters (typical) |
| Pulsewidth | | 10 ns to 20µs (wavelength dependent) | |
| Distance Resolution | 0.0001 km; 0.1 meters; 0.001 kft, 1 ft, 0.001 mi | | |
| Distance Sampling | 0.25, 0.5, 1, 2, 4, 8, 16 meters (range dependent) | | |
| Distance Accuracy | 0.0025% of distance measurement ± distance resolution ± index uncertainty | | |
| Distance Range Setting | 2/4/8/16/32/64/128/256 km | | |
| Loss Resolution | 0.001 dB | | |
| Laser Safety | Meets CDRH Class 1 Requirements (Eye Safe) 21 CFR | | |

Notes:
1. Subtract approximately 2 dB of range to 98% peak noise. Bellcore TR-TSY-000196 Issue 2
2. Using Bellcore TR-TSY-000196 Issue 2. Deadzones measured on -45 dB reflections.

| Models | 4442 | 4441 | 4440 |
|---|---|---|---|
| Center Wavelength | 850 nm ± 20 nm<br>1300 nm ± 20 nm | 1300 nm ± 20 nm | 850 nm ± 20 nm |
| Fiber Type | Multimode | Multimode | Multimode |
| Spectral Width (RMS) | 850 nm: ≤ 10 nm<br>1300 nm: ≤ 10 nm | 1300 nm: ≤ 10 nm | 850 nm: ≤ 10 nm |
| Dynamic Range[1] (SNR = 1) | 850 nm: 23 dB<br>1300 nm: 26 dB | 1300 nm: 26 dB | 850 nm: 23 dB |
| Initial Reflective Deadzone[2] | 850 nm: 3.5 meters (typical)<br>1300 nm: 3 meters (typical) | 1300 nm: 3 meters (typical) | 850 nm: 3.5 meters (typical) |
| Initial Non-Reflective Deadzone[2] | 850 nm: 6.5 meters (typical)<br>1300 nm: 7 meters (typical) | 1300 nm: 7 meters (typical) | 850 nm: 6.5 meters (typical) |
| Pulsewidth | 4 ns to 1µs (wavelength dependent) | | |
| Distance Resolution | 0.0001 km; 0.1 meters; 0.001 kft, 1 ft, 0.0001 mi | | |
| Distance Sampling | 0.25, 0.5, 1, 2, 4, 8 meters (range dependent) | | |
| Distance Accuracy | 0.0025% of distance measurement ± distance resolution ± index uncertainty | | |
| Distance Range Setting | 2/4/8/16/32/64 km | | |
| Loss Resolution | 0.001 dB | | |
| Laser Safety | Meets CDRH Class 1 Requirements (Eye Safe) 21 CFR | | |

| Models | 4456 | 4457 |
|---|---|---|
| Center Wavelength | 850 nm ± 20 nm<br>1300 nm ± 20 nm<br>1310 nm ± 20 nm<br>1550 nm ± 20 nm | 850 nm ± 20 nm<br>1300 nm ± 20 nm<br>1310 nm ± 20 nm<br>1550 nm ± 30 nm |
| Fiber Type | Multimode and Singlemode | Multimode and Singlemode |
| Spectral Width (RMS) | 850 nm: ≤ 10 nm<br>1300 nm: ≤ 10 nm<br>1310 nm: ≤ 10 nm<br>1550 nm: ≤ 10 nm | 850 nm: ≤ 10 nm<br>1300 nm: ≤ 10 nm<br>1310 nm: ≤ 10 nm<br>1550 nm: ≤ 10 nm |
| Dynamic Range[1] (SNR = 1) | 850 nm: 23 dB<br>1300 nm: 26 dB<br>1310 nm: 21.5 dB<br>1550 nm: 21 dB | 850 nm: 21 dB<br>1300 nm: 24 dB<br>1310 nm: 32 dB<br>1550 nm: 30 dB |
| Initial Reflective Deadzone[2] | 850 nm: 3.5 meters (typical)<br>1300 nm: 2.5 meters (typical)<br>1310 nm: 3 meters (typical)<br>1550 nm: 3 meters (typical) | 850 nm: 3.5 meters (typical)<br>1300 nm: 2.5 meters (typical)<br>1310 nm: 3 meters (typical)<br>1550 nm: 3 meters (typical) |
| Initial Non-Reflective Deadzone[2] | 850 nm: 6.5 meters (typical)<br>1300 nm: 7 meters (typical)<br>1310 nm: 10 meters (typical)<br>1550 nm: 12 meters (typical) | 850 nm: 6.5 meters (typical)<br>1300 nm: 7 meters (typical)<br>1310 nm: 15 meters (typical)<br>1550 nm: 20 meters (typical) |
| Pulsewidth | 4 ns to 10 µs (wavelength dependent) | 4 ns to 10 µs (wavelength dependent) |
| Distance Resolution | 0.0001 km; 0.1 meters; 0.001 kft, 1 ft, 0.0001 mi | 0.0001 km; 0.1 meters; 0.001 kft, 1 ft, 0.0001 mi |
| Distance Sampling | 0.25, 0.5, 1, 2, 4, 8, 16 meters (range dependent) | 0.25, 0.5, 1, 2, 4, 8, 16 meters (range dependent) |
| Distance Accuracy | 0.0025% of distance measurement ± distance resolution ± index uncertainty | 0.0025% of distance measurement ± distance resolution ± index uncertainty |
| Distance Range Setting | 2/4/8/16/32/64/128/256 km (wavelength dependent) | 2/4/8/16/32/64/128/256 km (wavelength dependent) |
| Loss Resolution | 0.001 dB | 0.001 dB |
| Laser Safety | Meets CDRH Class 1 Requirements (Eye Safe) 21 CFR | Meets CDRH Class 1 Requirements (Eye Safe) 21 CFR |

Notes:
1. Subtract approximately 2 dB of range to 98% peak noise. Bellcore TR-TSY-000196 Issue 2
2. Using Bellcore TR-TSY-000196 Issue 2. Deadzones measured on -45 dB reflections.

| Models | 4461 | 4462 |
|---|---|---|
| Center Wavelength | 1240 nm ± 6 nm | 1240 nm ± 6 nm<br>1310 nm ± 20 nm |
| Fiber Type | Singlemode | Singlemode |
| Spectral Width (RMS) | 1240 nm: ≤ 15 nm | 1240 nm: ≤ 15 nm<br>1310 nm: ≤ 15 nm |
| Dynamic Range[1] (SNR = 1) | 1240 nm: 36 dB | 1240 nm: 34 dB<br>1310 nm: 34 dB |
| Initial Reflective Deadzone[2] | 1240 nm: 3 meters (typical) | 1240 nm: 3 meters (typical)<br>1310 nm: 3 meters (typical) |
| Initial Non-Reflective Deadzone[2] | 1240 nm: 10 meters (typical) | 1240 nm: 10 meters (typical)<br>1310 nm: 10 meters (typical) |
| Pulsewidth | | |
| Distance Resolution | 0.0001 km; 0.1 meters; 0.001 kft, 1 ft, 0.0001 mi | 0.0001 km; 0.1 meters; 0.001 kft, 1 ft, 0.0001 mi |
| Distance Sampling | 0.25, 0.5, 1, 2, 4, 8, 16 meters (range dependent) | 0.25, 0.5, 1, 2, 4, 8, 16 meters (range dependent) |
| Distance Accuracy | 0.0025% of distance measurement ± distance resolution ± index uncertainty | 0.0025% of distance measurement ± distance resolution ± index uncertainty |
| Distance Range Setting | 2/4/8/16/32/64/128/256 km | 2/4/8/16/32/64/128/256 km |
| Loss Resolution | 0.001 dB | 0.001 dB |
| Laser Safety | Meets CDRH Class 1 Requirements (Eye Safe) 21 CFR | Meets CDRH Class 1 Requirements (Eye Safe) 21 CFR |

| Models | 4463 | 4464 |
|---|---|---|
| Center Wavelength | 1240 nm ± 6 nm<br>1550 nm ± 20 nm | 1240 nm ± 6 nm<br>1625 nm ± 10 nm |
| Fiber Type | Singlemode | Singlemode |
| Spectral Width (RMS) | 1240 nm: ≤ 15 nm<br>1550 nm: ≤ 15 nm | 1240 nm: ≤ 15 nm<br>1625 nm: ≤ 15 nm |
| Dynamic Range[1] (SNR = 1) | 1240 nm: 36 dB<br>1550 nm: 34 dB | 1240 nm: 36 dB<br>1625 nm: 36 dB |
| Initial Reflective Deadzone[2] | 1240 nm: 3 meters (typical)<br>1550 nm: 3 meters (typical) | 1240 nm: 3 meters (typical)<br>1625 nm: 3.5 meters (typical) |
| Initial Non-Reflective Deadzone[2] | 1240 nm: 10 meters (typical)<br>1550 nm: 12 meters (typical) | 1240 nm: 10 meters (typical)<br>1625 nm: 15 meters (typical) |
| Pulsewidth | | |
| Distance Resolution | 0.0001 km; 0.1 meters; 0.001 kft, 1 ft, 0.0001 mi | 0.0001 km; 0.1 meters; 0.001 kft, 1 ft, 0.0001 mi |
| Distance Sampling | 0.25, 0.5, 1, 2, 4, 8, 16 meters (range dependent) | 0.25, 0.5, 1, 2, 4, 8, 16 meters (range dependent) |
| Distance Accuracy | 0.0025% of distance measurement ± distance resolution ± index uncertainty | 0.0025% of distance measurement ± distance resolution ± index uncertainty |
| Distance Range Setting | 2/4/8/16/32/64/128/256 km | 2/4/8/16/32/64/128/256 km |
| Loss Resolution | 0.001 dB | 0.001 dB |
| Laser Safety | Meets CDRH Class 1 Requirements (Eye Safe) 21 CFR | Meets CDRH Class 1 Requirements (Eye Safe) 21 CFR |

| Models | 4471 | 4472 |
|---|---|---|
| Center Wavelength | 1625 nm ± 10 nm | 1310 nm ± 20 nm<br>1625 nm ± 10 nm |
| Fiber Type | Singlemode | Singlemode |
| Spectral Width (RMS) | 1625 nm: ≤ 10 nm | 1310 nm: ≤ 10 nm<br>1625 nm: ≤ 10 nm |
| Dynamic Range[1] (SNR = 1) | 1625 nm: 36 dB | 1310 nm: 36 dB<br>1625 nm: 36 dB |
| Initial Reflective Deadzone[2] | 1625 nm: 4 meters (typical) | 1310 nm: 3 meters (typical)<br>1625 nm: 4 meters (typical) |
| Initial Non-Reflective Deadzone[2] | 1625 nm: 12 meters (typical) | 1310 nm: 10 meters (typical)<br>1625 nm: 12 meters (typical) |
| Pulsewidth | | |
| Distance Resolution | 0.0001 km; 0.1 meters; 0.001 kft, 1 ft, 0.0001 mi | 0.0001 km; 0.1 meters; 0.001 kft, 1 ft, 0.0001 mi |
| Distance Sampling | 0.25, 0.5, 1, 2, 4, 8, 16 meters (range dependent) | 0.25, 0.5, 1, 2, 4, 8, 16 meters (range dependent) |
| Distance Accuracy | 0.0025% of distance measurement ± distance resolution ± index uncertainty | 0.0025% of distance measurement ± distance resolution ± index uncertainty |
| Distance Range Setting | 2/4/8/16/32/64/128/256 km | 2/4/8/16/32/64/128/256 km |
| Loss Resolution | 0.001 dB | 0.001 dB |
| Laser Safety | Meets CDRH Class 1 Requirements (Eye Safe) 21 CFR | Meets CDRH Class 1 Requirements (Eye Safe) 21 CFR |

| Models | 4473 |
|---|---|
| Center Wavelength | 1550 nm ± 20 nm |
| | 1625 nm ± 10 nm |
| Fiber Type | Singlemode |
| Spectral Width (RMS) | 1550 nm: ≤ 10 nm |
| | 1625 nm: ≤ 10 nm |
| Dynamic Range[1] | 1550 nm: 34 dB |
| (SNR = 1) | 1625 nm: 36 dB |
| Initial Reflective Deadzone[2] | 1550 nm: 4 meters (typical) |
| | 1625 nm: 4 meters (typical) |
| Initial Non-Reflective Deadzone[2] | 1550 nm: 12 meters (typical) |
| | 1625 nm: 12 meters (typical) |
| Pulsewidth | |
| Distance Resolution | 0.0001 km; 0.1 meters; 0.001 kft, 1 ft, 0.0001 mi |
| Distance Sampling | 0.25, 0.5, 1, 2, 4, 8, 16 meters (range dependent) |
| Distance Accuracy | 0.0025% of distance measurement ± distance resolution ± index uncertainty |
| Distance Range Setting | 2/4/8/16/32/64/128/256 km |
| Loss Resolution | 0.001 dB |
| Laser Safety | Meets CDRH Class 1 Requirements (Eye Safe) 21 CFR |

Notes:
1. Subtract approximately 2 dB of range to 98% peak noise. Bellcore TR-TSY-000196 Issue 2
2. Using Bellcore TR-TSY-000196 Issue 2. Deadzones measured on -45 dB reflections.

## Multi-Test Functions

**Dual Source (441X and 442X optics only; factory installed)**

| | |
|---|---|
| Wavelength | 1310/1550 ± 20 nm (except 4457 module 1550 ± 30 nm) |
| Output | -10 dBm (typical) |
| Transmission Mode | CW, 1 KHz and 2 KHz |
| Output Fiber | 9/125µm SM fiber |
| Optical Connector | Same as OTDR |
| Modes of Operation | CW, 1 KHz and 2 KHz |
| Stability | ± 0.2 dB (8 hours) |
| Spectral Width | Same as OTDR |
| Safety | Same as OTDR |

**Optical Meter (factory installed)** +20 dBm meter option available

| | |
|---|---|
| Detector Type | 2 mm Ge PIN photodiode |
| Wavelength | 800 - 1800 nm |
| Range | +10 to -55 dBm or +20 to -45 dBm with AM460 filter |
| Calibrated Wavelengths | 3 total: 850, 1310, 1550 |
| Universal Connector | Yes (use AM-430-xx adapter caps) |
| Resolution | 0.01 dB, dBm, 0.01% Watts |
| Store Reference Mode | Yes |
| Accuracy[1] | ± 4% (± 0.18 dB) @ +5 dBm to -50 dBm |
| | ± 8% (± 0.36 dB) @ + 10 dBm to +5 dBm and |
| | @ -50 dBm to -55 dBm |
| Linearity | ± 0.04 dB, +5 dBm to -50 dBm |

**Visual Fault Locator (field installed)**

| | |
|---|---|
| Wavelength | 635 ± 10 nm |
| Output | 0 dBm |
| Transmission Mode | CW or 2 Hz |
| Output Fiber | 9/125µm, SM fiber |
| Optical Connector | FC, SC, ST - fixed connector |
| Safety | IEC 825 Class 2, FDA (21 CFR 1040. 10 class 2) |

Note:
1. Specification applies to +10 dBm meter not to +20 dBm meter.

**CMA4000 Optional Accessories (must be added as separate line item):**

| | | | |
|---|---|---|---|
| TD-400 | Hard transit case | TD-459US | US style keyboard |
| TD-410 | Deluxe soft case | TD-459GE | German CE style keyboard |
| TD-415 | Soft carry bag | TD-459FR | French CE style keyboard |
| TD-405 | Printer w/cable | TD-459SP | Spanish CE style keyboard |
| TD-309 | Printer paper (5 rolls/pack) | TD-459IT | Italian CE style keyboard |
| TD-409 | Case of paper (5 packs/case) | TD-30163 | Additional User's Manual |
| TD-453 | 12 v lead acid battery | TD-30162 | Additional Training Manual |
| TD-29621 | 12 v DC power adapter | TD-30711 | Parallel cable - DB25M to DB25M |
| TD-30710 | Serial cable DB9F to DB9F (null) | TD-30712 | Serial cable DB9F to DB9M (straight) |

**CMA4000 Mainframe:**
**Control Unit:** P/N TD-14XXX PC-based modular platform

**Standard Accessories:**
- 8-inch VGA LCD display
- Multi-tasking operating system
- User's & Training Manuals
- 1 VGA port
- Internal memory (up to 140 traces)
- 1 carry strap
- AC adapter/charger
- AC line cord (choose style - see below)
- 2 serial ports
- 1 parallel port
- 1 mouse port
- 1 PS/2 keyboard port
- 12 v rechargeable battery (qty 2)
- Floppy drive
- Built-in keyboard

**AC Power Cord Options:**

| | | | |
|---|---|---|---|
| TD-11685 | US power cord | TD-30362 | Australian power cord |
| TD-30358 | Euro power cord | TD-30359 | UK power cord |
| TD-30361 | Italian power cord | TD-30360 | Swiss power cord |

**OTDR/Source Connector Adapter:**
Adapters for PC and Ultra Polish:

| | | | |
|---|---|---|---|
| UC-130-10 | Biconic | UC-130-35 | SMA 905/906 |
| UC-130-15 | DIN 47256 | UC-130-40 | Diamond HP HMS-10 |
| UC-130-20 | D4 | UC-130-45 | Diamond HP HMS-0 |
| UC-130-25 | FC | UC-130-50 | Diamond HP-HMS-10/A |
| UC-130-30 | ST | UC-130-55 | SC |

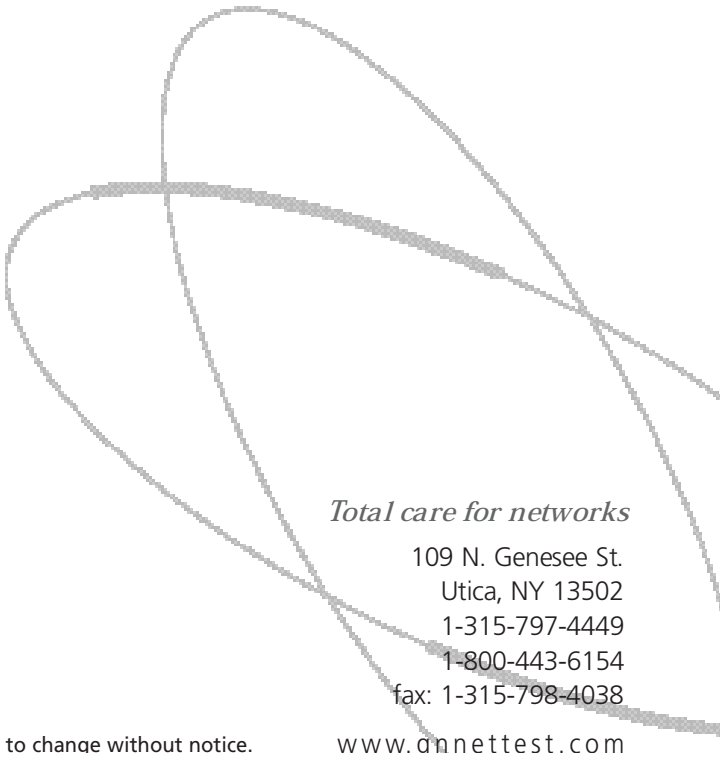
Adapters for Angle Polish:

| | | | |
|---|---|---|---|
| UC-130-60 | FC NTT | UC-130-70 | DIN/HRL-10 |
| UC-130-60A | FC Seiko Giken | UC-130-75 | ST |
| UC-130-65 | SC | UC-130-80 | Diamond E-2000 |

Meter Connector Adapter (select one when ordering power meter):

| | | | |
|---|---|---|---|
| AM-430-10 | Biconic | AM-430-50 | ST |
| AM-430-15 | D4 | AM-430-75 | VFO/PFO |
| AM-430-20 | SMA 906 | AM-430-85 | DIN |
| AM-430-25 | Diamond GFS-3 | AM-430-90 | SC |
| AM-430-45 | FC | AM-430-100 | FDDI |

Our equipment is constantly being improved. Hence, specifications are subject to change without notice.



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