

NetTek™ Analyzer

► Y350C Platform



Affordable, Portable, Ready for the Field

Handheld Platform

The Tektronix NetTek™ is a revolutionary portable field tool. When combined with various test modules, the Y350C offers proven measurement capability at a surprisingly low price, in a rugged, easy-to-use package, suitable for all field environments.



Easy to Use

The NetTek analyzer is based around the familiar Windows CE operating system. As a result, users will spend less time learning the instrument and more time troubleshooting the network. Furthermore, built-in help guides speed the measurement process.

Common measurements have been optimized for quick, repeatable results. For example, novice users can display results with straightforward Windows-like zoom and resize controls.

► Features & Benefits

Handheld, Multi-standard Field Tester

Modules Allow for Easy Future Expansion for New Functions

Familiar Windows CE Interface with Touch Screen Design

User-changeable Battery Packs with Optional External Charger for Uninterrupted Use

Rugged, Light Weight, Easy to Use Anywhere

► Applications

BTS Transmitter Analysis

Resolve Interference Problems

Troubleshooting of T1 Circuits

BTS Antenna and Transmission Line Analysis

Fiber Optic Installation/Acceptance Testing

Optical System Fault Location

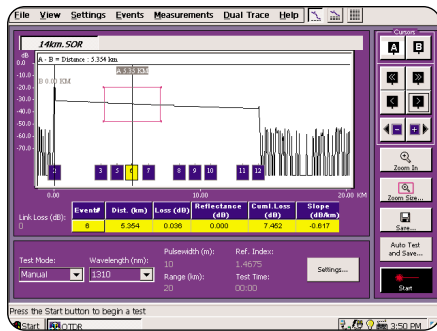
COMPUTING

COMMUNICATIONS

VIDEO

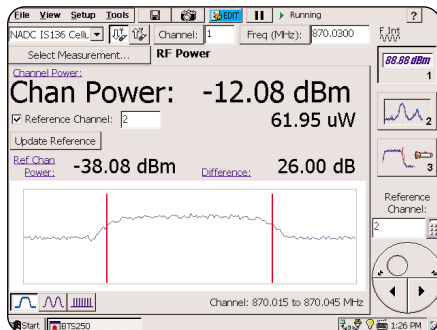
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Touch Screen

The Windows CE interface is combined with a rugged touch screen. User controls and buttons only appear on the screen when they are needed, making measurements simpler to perform. The screen is operated by pressure, meaning that even a gloved finger can reliably operate the instrument in cold weather.



Field Rugged

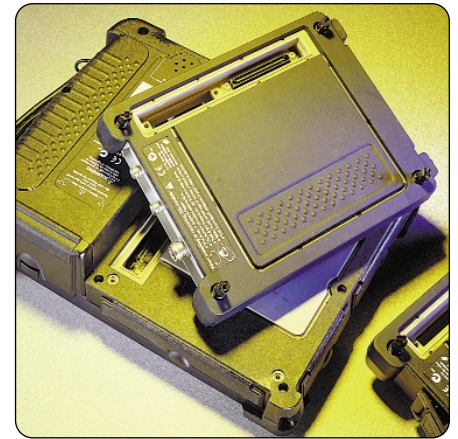
The NetTek analyzer is designed to withstand day to day abuse wherever testing is required. The NetTek and each module feature a magnesium alloy shell, bonded with a rubber skin for maximum impact resistance and rigidity. All ports feature a sealed rubber cover. The unit may be operated over a temperature range of -10°C to 50°C , and stored from -40°C to $+60^{\circ}\text{C}$.

The NetTek design needs no fan or ventilation ports, maximizing resistance to dirt and dust.

PC Connectivity

NetTek is designed to easily work with the PCs required for maintaining today's networks. The instrument includes as standard two PC card slots, RS-232 port, parallel port, and an IR port. A floppy disk drive can be added as an option. The Y350C can also be controlled remotely using the optional Virtual CE interface. The platform includes support for vxHpc terminal emulator software. Further, all of these devices are Windows CE compatible – meaning data and test results can be shared quickly with any PC operating Windows 95/98/2000, Me, XP or NT.

The Modules and the Platform
The Tektronix NetTek Y350C platform includes the display, power supply, CPU and battery compartments. Measurement modules can then be attached to the back. Up to four modules can be attached at once. A variety of modules and options allows you to tailor the instrument to service the standards and interfaces in use in your network.



► Y350C platform combined with test modules.

The modular design also means that the instrument can easily be upgraded. New measurements or standards can be added with software upgrades, or with additional modules.

The NetTek platform today supports not only the YBT250 test module for spectrum and base station testing, but also the YBA250 module for antenna and transmission line analysis, the YBT1 for T1 testing and the YM and YSS series OTDR modules for optical troubleshooting.

► Characteristics

Y350C NetTek Platform Characteristics

Module Support –

Connect up to 4 test modules.
 Field interchangeable.
 Additional mini-test modules supported on PCMCIA.

Display –

26 cm (10.4 in.), 640x480 pixel, transmissive color LCD.
 Touch screen display optimized for finger use – does not require special scribes or other tools to operate.

Power –

AC power: AC: 90 to 264 VAC, 47 to 63 Hz.
 DC power: 20 to 28 VDC, 60 W maximum.
 One Li-Ion battery standard.
 Measurement operation time on battery:
 >2 hours per battery, >4 hours typical usage.
 Actual operation time dependent on type and number of applications running.
 Y350C can hold two batteries (second battery optional) for total of >4 hours of continuous measurement;
 >8 hours typical usage.
 DC 12 V car adapter (optional).
 Recharge time (non-operating): 3 hours.

Warranty/Calibration – 1 year warranty, regular platform calibration not required.

Interface Ports –

RS-232 serial: 9-pin, up to 115.2 kb/s serial.
 Parallel printer: 25-pin, supports Centronics mode.
 Keyboard: PS/2 compatible, Mini-DIN connector.
 Infra-red: 115.2 kb/s, IrDA 1.0 compatible.
 Microphone jack: 3.5 mm jack for external microphone.
 Headphone jack: 3.5 mm jack for external headphone.
 Built-in speaker and microphone.
 PCMCIA: 2 PCMCIA type II ports.

File/Test Storage –

Internal memory (standard): 16 MB available for storage and running Windows CE applications.
 Floppy disk (optional): MS-DOS compatible 3.5", 1.4 MB.
 Memory card (optional): 128 MB.
 Port supports standard PCMCIA memory cards.

Environmental –

Operating temperature: -10°C to +50°C.
 Storage temperature: -40°C to +60°C.
 Humidity, operating: 5% to 95%.
 Drop: To Telcordia GR-196-CORE standards.

Physical Characteristics

Dimensions*1	mm	in.
Height	249	9.8
Width	330	13.0
Depth	89	3.5
Weight*1	kg	lbs.
With one battery	4.1	9.04

*1 Not including application module.

► Ordering Information

Y350C

NetTek Analyzer platform, color display. Must be combined with an application module for operation.

Each Includes: Shoulder strap, Tilt Stand, Stylus, AC Power Supply, One Li-Ion battery, User Manual, 5 Display Protector Sheets, RS-232 Cable and Soft Carry Case.

Options

Opt. FD – 3.5" Floppy Disk Drive.

Opt. VCE – Virtual CE Remote Control.

Language Options

English standard, alternate language available at no charge.

Opt. L1 – French.

Opt. L2 – Italian.

Opt. L3 – German.

Opt. L4 – Spanish.

Opt. L5 – Japanese.

Opt. L6 – Portuguese.

Opt. L7 – Chinese.

Release dates and lead times for different languages may vary. Check with Tektronix for more information.

Power Options

Opt. A1 – European.

Opt. A2 – UK.

Opt. A3 – Australian.

Opt. A4 – U.S. 240 V.

Opt. A5 – Swiss.

Opt. A6 – Japanese.

Opt. AC – Chinese.

Opt. A99 – No power cord.

Service Options

Opt. R3 – Repair warranty extended to three years.

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Additional Accessories

Shoulder Strap*¹ – Order 367-0518-00.
Tilt Stand*¹ – Order 348-1661-00.
Stylus*¹ – Order 119-6107-00.
AC Power Supply*¹ – Order 119-6029-00.
One Li-Ion Battery*¹ – Order 146-0127-00.
User Manual*¹ – Order 071-0805-02.
Display Protector Sheets (5)*¹ – Order 016-1882-00.
RS-232 Cable*¹ – Order 012-1379-00.
Soft Carry Case*¹ – Order 016-1775-00.
Mini Keyboard – Order 118-9402-00.
External Charger – Order 119-6030-00.
In-vehicle DC Plug – Order 119-6028-00.
Australia AC Power Cord – Order 161-0313-00.
China AC Power Cord – Order 161-0318-00.
European AC Power Cord – Order 161-0311-00.
Japanese AC Power Cord – Order 161-0315-00.
Swiss AC Power Cord – Order 161-0314-00.

United Kingdom AC Power Cord – Order 161-0312-00.
U.S. 110 V Power Cord – Order 161-0310-00.
Strand Hook – Order 020-2422-00.
Magnetic Shelf – Order 436-0416-00.
GPS Locator – Order 116-0995-00.
PCMCIA Modem – Order 116-0997-00.
PCMCIA Ethernet – Order 116-0998-00.
PCMCIA Memory Card (128 MB) – Order 116-0996-00.
PCL Printer, Parallel (no cable) – Order 016-0999-00.
PCL Printer Cable – Order 012-1214-00.
Metal Case (single module attaché) – Order 016-1888-00.
Metal Case (multiple module trunk) – Order 016-1889-00.

*¹Also included as standard accessories with Y350C.

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