

# NET200

## Network Performance Tester



- **Evaluate the capability of link connections and locate faults up to 500 meters**
- **Detect Wiremap failure (Pass, Fail, full Wiremap details (extended test))**
- **RJ45 and BNC connectors**
- **10 BASE-T and 100 BASE-TX Ethernet, half- or full- duplex support**
- **1000 BASE-T, Auto measurement of signal performance, wiremap and length**
- **1 kHz analogue tone signal output suitable for all probe sets**

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### DESCRIPTION

The NEW Megger NET200 is an all-in-one and easy-to-use network testing unit measuring logical network performance and the physical condition of network cables. It is the tool of choice, allowing network engineers to install and efficiently maintain local area network (LAN) with 10 BASE-T, 100 BASE-TX and/or 1000 BASE-T based Ethernet protocol.

### FEATURES

The NET200 measures logical network performance. It provides round-trip time (RTT) testing to measure network speed under dynamic and static configuration protocols and IP scanning to show the information on all terminals connected with the local network. It can also evaluate the capability of link connections such as supported network speed (10 BASE-T or 100 BASE-TX) and duplexity (half- or full- duplex).

1000 BASE-T testing is available for crosstalk and for supported lines under autotest.

The device provides physical information for the LAN cable under tests such as cable length, faulty positions (open or short) and Wiremap (Pass, Fail, Full Wiremap details (extended test)).

With the novel high-resolution graphic TDR (Time-Domain Reflectometer) and TDX (Time-Domain Crosstalk), it is possible for the user to locate faulty positions along cables up to 500 meters in length.

The TDR and TDX can also be used with other types of cable, such as coaxial cables for cable TV and HFC networks and telephony cables.

In addition, the NET200 presents tone generating functionality, used to identify cable connections and to trace cables in partition and stud walls, floors and ceilings, and a continuity testing function to check the continuity of a cable.

With the graphic user interface displayed on a 128 x 64 LCD and serial communication port, field engineers can easily carry out the required network testing, transfer the stored data to their PC and print reports using the NET200 emulation software supplied.

### BENEFITS

The NET200 is housed in a tough and durable ABS enclosure and powered by a Li-Ion re-chargeable battery with a typical 6-hour battery life.

The NET200 is supplied as a kit comprising a complete set of testing cables and adapters, and has one of the largest selection of functions available in its class. This makes the NET200 one of the best feature to value instruments on the market today.

## SPECIFICATIONS

(\* Except where otherwise stated, these specifications apply to an ambient temperature of 20 °C (68 °F))

### COAX measurement

Graphic TDR / numeric TDR (selectable)  
Minimum display resolution : 10 Cm @ VOP 66.7%  
Measurement range : up to 1 km (graphic), 5 m to 500 m (numeric)  
Distance accuracy :  $\pm 4\%$  of reading or 0.5 m

### LAN measurement

#### Distance measurement

Graphic, numeric TDR / graphic TDX  
Minimum display resolution : 10 Cm @ VOP 66.7%  
Measurement range : up to 300 m (graphic), 5 m to 300 m (numeric)  
Distance accuracy :  $\pm 4\%$  of reading or 0.5 m

### Wiremap

Pass, Fail, Full Wiremap details (extended test)

### Crosstalk

Crosstalk test per 10 BASE-T, 100 BASE-TX, 1000 BASE-T

### Impedance

Graphic display for an approximate impedance

### Continuity

Measurement of continuity lines

### Automatic measurement

**Carries out the following tests sequentially to collect a network's physical information**

10 BASE-T, 100 BASE-TX, 1000 BASE-T, wiremap only  
Length, wiremap, signal performance (crosstalk)

### Network analysis

Measures round-trip time  
Link partner ability test (10 M half, 10 M full, 100 M half, 100M full)  
Supports 10 M half, 10 M full, 100 M half, 100 M full, duplex  
IP scan (IP/MAC-address/netbios name)

### Additional features

#### Tone generation

1 kHz analogue tone signal output

#### Display

2.5" (128 x 64) mono graphic LCD

#### Storage Slots

50 ea (automatic test result), TDR graph 20 ea (LAN 10 ea, Coax 10 ea)

#### External interface

USB (provided USB-only cable )

#### Power

11.1 V (Li-Ion, 1800 mAh)  
15 V/1 A AC-DC adapter

**Operating time :** 6 hours

**Recharge time :** 4 hours

### Environment

**Operating temperature :** 15 °C ~ +55 °C

**Storage temperature :** -20 °C ~ +70 °C

**Humidity:** 95%

### Safety

EN61010-1

### Weight

550 gms

### Dimensions

210 mm x 100 mm x 45 mm

## ORDERING INFORMATION

Item (Qty)	Cat. No.	Item (Qty)	Cat. No.
1 x NET200 MTDR	1002-856	<b>Optional accessories</b>	
<b>Included accessories</b>		Remote identifier #2	2003-193
1 x AC-DC Power adapter	2003-184	Remote identifier #3	2003-194
1 x BNC to F-connector	2003-181	Remote identifier #4	2003-195
1 x RS232 to USB adapter cable	2003-183	Remote identifier #5	2003-196
1 x DC Car charge lead	2003-200	Remote identifier #6	2003-197
1 x Portable bag	2003-189	Remote identifier #7	2003-198
3 x Power cord (US, EU, UK)	2003-187	Remote identifier #8	2003-199
1 x Remote identifier #1	2003-180	Mobile printer	2003-201

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**CERTIFICATION ISO**  
Registered to ISO 9001:2008 Cert. no. Q 09250  
Registered to ISO 14001:2004 Cert. no. EMS 61597

**NET200\_DS\_en\_V03**  
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