

Test More
Test Faster

W 850 HF



Automotive

Railway/Transportation

Aerospace/Avionics

Electrical and Mechanical
Engineering

 **WEETECH**

W 850 HF

As a supplement to the WEETECH high voltage testers, the **W 850 HF** multi-port vector network analyzer can be used to test twisted pair Ethernet cables of category CAT 4 to CAT 8.2 with four wire pairs. Assembly faults can be corrected and results reported.

According to ISO/IEC 11801-1 and ISO/IEC 61935-1/-2, Return Loss (RL), Insertion Loss (IL), NearEnd Crosstalk (NEXT) and FarEnd Crosstalk (FEXT), WireMap, Propagation Delay and Delay Skew are evaluated in less than 20 s with an easy to understand PASS / FAIL result.

The built-in interface to the test object is designed as an RJ45 socket (max. 500 MHz, CAT 6A).

Thanks to the 2U chassis, the **W 850 HF** can be easily integrated into a W 454 rack system or add to a W 434 or W 484 environment.

Operation with the CEETIS software provides a protocol that also contains the test information of the high voltage test equipment used.

■ Testing and Measuring Performance

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| | <ul style="list-style-type: none">· Simultaneously Measuring of Ethernet cables with four wire pairs (using eight ports)· End-to-end testing· Transmitter's and Receiver's |
| Frequency Range | · 0.1 - 3,000 MHz |
| Power output | · -1.0 dBm |
| UUT Interface | · 2xRJ45 socket (limited to 500 MHz, CAT 6A) |
| IF bandwidth | · 100 Hz |
| Impedance | · 100 Ohms (differential) |
| RF Measurements | · Insertion Loss (IL), Return Loss (RL), NEXT, FEXT, Propagation Delay, Delay Skew |
| Plots | <ul style="list-style-type: none">· Insertion Loss (IL)· Return Loss (RL)· NEXT· FEXT |
| Connectivity | · 10/100/1000 Ethernet |
| Protection against reverse voltages to | · 60 V |
| Dimensions | <ul style="list-style-type: none">· 19 Inch rack, 2U· W 850 HF (W x D x H in mm): 450 x 460 x 89 |
| Power Supply | · Wall power supply, Input 100 ... 240 Vac, 50/60 Hz, Output 5 Vdc, 16 W |
| Ambient conditions | <ul style="list-style-type: none">· Operating temperature 0 °C to 45 °C· Storage temperature -50 °C to +70 °C· Humidity 90 % at 25 °C· Atmospheric pressure 70.0 kPa to 106.7 kPa |

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