PROFINET MONITORING AND DIAGNOSTICS
EASY TROUBLESHOOTING AND MONITORING OF PROFINET NETWORKS

Helmholz®
COMPATIBLE WITH YOU

PROFINET TEST TOOL | Troubleshooting | Commissioning | Permanent monitoring

PROFINET TEST TOOL PRO

Complete diagnostics, including reports, PROFINET data analysis, trigger options and many more features to maintain your PROFINET networks!

PRODUCT HIGHLIGHTS

- Detailed information on all devices

- Easy detection of bad cables

- Identify links with too much traffic

- View the network topology

- Record network traffic (PROFINET and other) on the link

- Calculate the actual update times and jitter

- Automatically analyze the network with wizard functionality

- Compare the last analysis with previously analysis

- Printing reports according to the guidelines of PI international*

The PROFINET Test Tool (PNT-Tool) is a specialized **software only tool** that is designed to test the performance and functionality of PROFINET networks and devices.

This powerful tool allows you to quickly and easily test the performance and functionality of your PROFINET devices, ensuring that your network is running smoothly and efficiently.

With the PROFINET Test Tool, you can easily diagnose and troubleshoot any issues that may arise, ensuring that your network is always running at its best.

One of the standout features of the PROFINET Test Tool is its **user-friendly interface**. Whether you're a seasoned pro or new to PROFINET networks, you'll find the tool easy to use and navigate. The tool also comes with comprehensive wizards, providing you with all the information you need to get the most out of your testing.

PROFINET TEST TOOL ONLINE

Permanently monitor the network and share results using the most common IoT standards (MQTT, REST and Node-RED)

Diagnostics with a web browser!

PRODUCT HIGHLIGHTS

- Check PROFINET health via a user-friendly web interface.

- Remote monitoring capability.

- Integrated database and cloud (Industry 4.0) interface for trend analysis.

- Streamlined reporting on PROFINET network status.

Permanently monitor your PROFINET network by placing the PROFINET monitoring tool within it and continuously monitoring the network's health. Share the results using the most common IoT standards. Additionally, easily monitor your entire PROFINET network through diagnostics with a built-in web browser.

*PROFIBUS & PROFINET International (PI) is the most influential interest group in the field of industrial communication.

PROFISHARK

Unleash the power of precise network analysis with the PROFISHARK, a cutting-edge network TAP (Test Access Point) that captures and inspects data traffic with unparalleled accuracy.

PRODUCT HIGHLIGHTS

- Passive data capture

- advanced real-time monitoring

- Compact and Powerful Design

- Non-reactive recording of Ethernet communication

the PROFISHARK, a cutting-edge solution revolutionizing network diagnostics in the industrial landscape. This compact yet powerful network TAP (Test Access Point) is engineered to capture and analyze data traffic with unparalleled precision.

The PROFISHARK stands as a beacon of innovation, offering real-time monitoring capabilities that ensure no critical byte goes unnoticed. Its seamless integration into industrial networks allows for comprehensive analysis, facilitating the identification of bottlenecks, performance enhancements, and swift troubleshooting.

Elevate your network diagnostics experience with the PROFISHARK and experience a new era of precision and reliability in industrial connectivity.

TAP IE

The TAP IE 100 enables recording of Ethernet communications at 10 or 100 Mbps without retroactive effect.

PRODUCT HIGHLIGHTS

- Non-reactive recording of Ethernet communication

- Secure and passive decoupling of telegrams

- Monitors all OSI layers starting from layer 2 and mirrors packets of all sizes and types and VLAN traffic

- No influence on Ethernet transmission in case of power failure

The Ethernet transmission via the Line RJ45 sockets is sent out on the two monitor sockets as a "copy". With a PC or other diagnostic device the Ethernet telegrams can be logged and analyzed, e.g. with "Wireshark". The practical flat design with the intelligent arrangement of the network connections saves space in the control cabinet.

ORDERING DATA

PROFINET DIAGNOSTIC	ORDER NO.
PROFINET TEST TOOL PRO - including case	4210-0101
PROFINET TEST TOOL PRO - including Ethernet TAP and case	4210-0111
PROFINET TEST TOOL PRO - including ethernet TAP, cabletester VDV II PRO and case	4210-0112
PROFINET TEST TOOL ONLINE - including monitoring hardware	4210-0004
PROFISHARK 100	C1AP-100
TAP IE 100, Ethernet Test Access Point 10/100 Mbps	700-800-TAP01
Cable tester – VDV II PRO	R158005

TRAINING PROGRAM AND SERVICES

visit our website www.helmholz-benelux.eu for more information