

BALLUFF

sensors worldwide

DeviceNet Analyzer

Analysis, monitoring and maintenance of DeviceNet installations



more added value



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In our new DeviceNet Analyzer, we are offering a particularly powerful tool for analyzing, commissioning, monitoring and maintaining DeviceNet/CAN bus installations. The target group for the tool consists of service engineers, integrators and also the expert practitioner, that is to say everyone who needs sound information regarding the operational status of their DeviceNet installation. Preventive maintenance is a particular focus for the use of the DeviceNet tester.

Wiring test during commissioning

The analyzer wiring test is able to detect defects and weak points such as incorrect cable types and lengths, short circuits, line breaks and faulty plug connections as early as the installation phase. Analysis of the bus physics before or during commissioning is another major application area. This allows telegrams with a poor signal quality to be consistently tracked down for every node through the analysis of the edge steepness, of the signal to noise ratio and much more. It also allows the possible causes of the faults such as missing bus terminations or too many bus terminations, faulty bus drivers, bus or stub lines that are too long, etc., to be detected quickly. This does not only ensure that the specification is complied with, but also results in optimum signal quality. The bus operates more reliably and, at the same time, is more resistant to EMC problems.

Monitoring during ongoing operation

And later, too, a comparison may easily be made with earlier measurements at regular intervals or continuously via an online function. Finally, if required, the DeviceNet analyzer saves all the measuring and report data for the installation being monitored. In this way, a gradually quality degradation, caused by wear on the cables, for instance, can no longer be overlooked. Preventive maintenance of this kind can save cost and time over unexpected plant downtime.

Scope of delivery

The user is equipped for all eventualities with this set. Balluff supplies the analyzer in a robust case together with a complete set of high quality DeviceNet accessories to cope with the rigors of day to day operations. The user can get to work straight away, as all the required components such as adapters, adapter cables, T-pieces, bus terminating resistors. The analyzer has a USB interface for connection to a PC or notebook. The device is very simple to operate thanks to the easy to use PC software.



DeviceNet/CAN Analyzer
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