Wednesday, 22 December 2021

Manufacturer's declaration

In relation to compliance with the Industry 4.0 requirements, we Trend Networks hereby confirm that the following Network test instruments can be used for:

- Testing, monitoring, upgrading or revamping the existing industrial production systems, ensuring the quality and sustainability of the Telecom Network connecting all the production machines of the factory to the monitoring and control systems:
    o **1) Lantek IV cable certifier series,** LAN Test Solutions Brochure, pages 10, 12, 13
    o **2) Fibertek IV fiber certification series,** LAN Test Solutions Brochure, pages 11, 12, 13
    o **3) Fibermaster Optical Reflectometer series,** FiberMASTER range brochure
    o **4) Signaltek CT cable qualifier,** LAN Test Solutions Brochure, page 9
    o **5) Signaltek NT cable and network qualifier,** LAN Test Solutions Brochure, page 23
    o **6) Signaltek 10G range of cable and network qualifier up to 10Gbps,** LAN Test Solutions Brochure, pages 20, 21
    o **7) Navitek NT Plus, Navitek NT Pro**, LAN Test Solutions Brochure, page 22
    o **8) Lanxplorer Pro**, LAN Test Solutions Brochure, page 24

- Monitoring and troubleshooting of Industrial Ethernet Operation, detecting bottlenecks, connectivity, IT or configuration problems, and more:
    o 9) **Navitek IE,** LAN Test Solutions Brochure, page 26

The following points describe the compliance of the testers listed above with the additional requirements of the Industry 4.0 legislation, in terms of technological innovation, ease of use, interoperability, interconnection and remote control.

Ordinary supplement n. 57 / L to the OFFICIAL JOURNAL, General Series - n. 297, ANNEX A, Article 1, paragraph 9 – states that at least 2 (two) of the following should be compliant by each product:

- Requirement: control by means of CNC (Computer Numerical Control) and / or PLC (Programmable Logic Controller)

    Compliance: YES, all units have interface to computer Systems and generate performance/compliance reports,

- Requirement: interconnection to factory IT systems with remote loading of instructions and / or part programs

    Compliance: YES, all units interconnect with the IT systems of the Factory, and units under 1), 2), 6) above are also compliant with remote control and loading of instructions

- Requirement: automated integration with the factory logistic system or with the supply network and / or with other machines of the production cycle

  Compliance: YES, the test reporting of the units can be integrated into the factory monitoring or supervision systems.

- Requirement: simple and intuitive man-machine interface

  Compliance: YES with touch screen display and menu icons

- Requirement: compliance with the latest standards in terms of occupational safety, health and hygiene

  Compliance: YES if used as indicated in the operating manual

Furthermore, the instrumentation must be equipped with at least two of the following characteristics to make them assimilable and / or integrable with cyber-physical systems:

- Requirement: remote maintenance and / or remote diagnosis and / or remote control systems

  Compliance: YES, units under 1), 2), 6) above are compliant

- Requirement: continuous monitoring of working conditions and process parameters by means of suitable sets of sensors and adaptivity to process drifts

  Compliance: NO, but in principle it's possible to develop an interconnection between our test equipment and the factory systems allowing them to automatically trigger a test on our units.

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