PRESS-RELEASE
AUTOMATION Dr. Nix GmbH & Co. KG.
D-50739 Cologne, Robert-Perthel-Str. 2 www.q-nix.de

Qnixnews-de-cw-023-v1

Coating thickness measurement – state of the art:
Paint and corrosion protection measurements using innovative technology

Part 4: **Reducing the cost of determining coating thickness using application-oriented measuring probes such as the magnet-inductive pen-shaped probe**

State of the art modular measuring systems provide the foundation of the flexible and versatile use of application-specific measuring probes.
Therefore, the new precision measuring system QNix® 8500 has been developed particularly to measure different kinds of paint and corrosion protection. The modular connector system of the specifically designed interchangeable probes offers highest flexibility and cost efficiency. Depending on the measuring task, you can choose to use different kinds of measuring probes. Transmit their readings reliably – even wireless, display them accurately, document them or process them for optimum statistical analysis. Latest modular measuring probes such as the wireless probe for transmitting measurements wirelessly, or the new magnet-inductive pen-shaped probe for precision measurements of micro-coating thickness on small parts, extend the areas in which modern corrosion protection measurement can be used. They optimize the quality management of major building projects and increase productivity, thus significantly reducing the cost.
In addition to standard probes based on the Hall-sensor principle, AUTOMATION Dr. Nix – specialized on non-destructive coating thickness gauges – now offers a new magnet-inductive pen-shaped probe with a measuring range between 0 and 500 µm. The new interchangeable probe measures even particularly thin non-ferromagnetic coatings on small parts extremely precise within the lower measuring range. With this additional tool for precision measurement of thin coatings, the pen-shaped probe provides new areas of application in the quality management of small parts or when measuring close to edges.

Quality control with precision measurements of micro coatings on small parts
In practice, small steel parts such as screws or bolts are coated with a layer of corrosion protection. Only the right coating thickness, usually within the lower micrometer range, guarantees good adherence as well as proper corrosion protection. Now, the newly optimized QNix® pen-shaped probe MI Fe 500µm reduces interfering measuring effects on edges significantly. That way, you can take readings more closely to edges to ensure better measurement on small parts. This guarantees, a reliable quality control of corrosion protection on small surfaces or near edges. Furthermore, coating thickness measurements of thin, non-ferromagnetic metal coatings such as chromium, copper, zinc are now just as possible on steel substrates as measurements of PVD coatings, paint, enamel or synthetic coatings and many others. Our devices take their precise measurements based on the magnetic inductive measuring principle and in accordance with the DIN EN ISO 2178, ISO 2808 and ASTM B499 standards. In addition, the pen shape of the latest probe offers optimum control over the manual adjustment on the measuring object. If the requirements on accuracy are particularly high, the new measuring probe can be mounted on a measuring stand. Sample holders, to be used with the stand are also available.

More information: www.qnix.de → PRESS Downloads

Please send complimentary copy to:
Christoph Weise, Dr. Helmut-Junghans-Str. 35, D-78713 Schramberg
weise.marketingberatung@t-online.de