



ELOTEST PL600 - R/RC

## Addition to the “ELOTEST PL600” family of instruments for non-destructive materials testing Eddy current testing instrument of the latest generation from Rohmann GmbH

“ELOTEST PL600” is the latest development from Rohmann. The family business in Frankenthal in Germany has been developing and marketing eddy current testing instruments and accessories for non-destructive materials testing for 43 years now. ELOTEST PL600, a digital testing instrument of the latest generation, makes it possible to carry out all types of eddy current testing. It is designed for testing for cracks and heat treatment as well as for testing for material mix-up and grinding burn.

Application-specific user interfaces simplify the operation of the testing instrument. The instrument is fully integrated into the line by wide-ranging I/O functions with a fieldbus connection. The test results are displayed with an unmatched signal purity. The extensive system and sensor monitoring ensures ultimate test security. The modular design of the PL600 makes it possible to combine testing for cracks and heat treatment as well as testing for material mix-up and grinding burn, so that a single testing instrument is sufficient for a wide range of applications in several stations.

The “FastSort” mode serves to sort parts quickly with 1, 4 or 8 frequencies, with harmonic analysis as an option. This mode is used to determine material properties, differences in hardness and/or geometric variations. “Multiplex” is designed for a great diversity of applications with parameter and sensor multiplex for up to 64 virtual mux channels per plug-in card. The “EMDC” technology – electromechanic distance compensation – serves to keep a constant distance between the sensor and the part being tested. It is used for testing non-circular parts and parts with complex geometries.

ELOTEST PL600 has been complemented with a 19” (PL600/R) and a more compact 9.5” (PL600/RC) remote version for integration in automated systems. The operation of the two remote devices takes place via an external touch screen. The Remote Client Software connects the two instruments with another computer in a network. The 19” versions (ELOTEST PL600 and PL600/R) are provided with a total of 16 slots, the 9.5” version (PL600/RC) is provided with a total of 7, while one channel is always provided with the standard configuration.

A licensing system, specially conceived for the ELOTEST PL600 family of instruments, means that the client only has to pay for the technical function required for the actual testing task. The inline instruments are thus available at attractive starting prices. As the ELOTEST PL600 can be adapted and modified or upgraded at any time, it is a valuable investment for the future.