



Eddy Current

ELOTEST PL650

Innovation in Eddy Current Testing

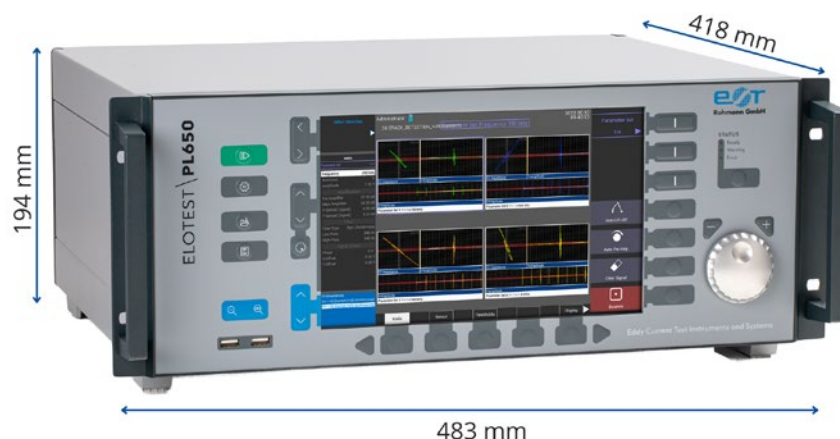
TOTAL FLEXIBILITY FOR EVERY MISSION

The PL650 introduces a new dimension in eddy current testing that pushes all boundaries: an innovative, fully digital platform delivering exceptional performance and reliability for a wide variety of applications (efficient and rapid material sorting, crack detection, grinding burn detection, and hard spot testing).

The PL650 features a flexible software and license management system, allowing capacity to be adjusted or expanded according to each inspection objective. Thanks to various housing and operational concepts, such as remote connection via client software and PC, the ELOTEST PL650 can be seamlessly integrated into automated inspection systems and existing test lines.

The ELOTEST PL650, combined with the ELOSCAN and a compact robot, is designed to automatically handle the most diverse testing tasks.

Combined with the universal SCAN ALYZER software for inspection, documentation, and analysis, the ELOTEST PL650 enables the fast and reliable generation of C-Scans.



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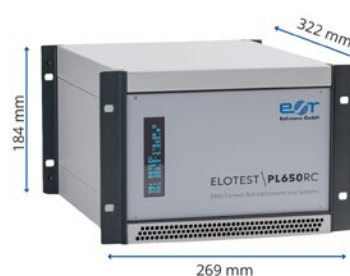
Fournisseur de solutions CND - Formation - Étalonnage - SAV

ELOTEST - PL650R / PL650RC

Designed to meet specific requirements, the «remote» versions (ELOTEST PL650 R and RC) feature the same hardware configuration but without a built-in user interface. They are operated remotely via a touch screen or a Client-PC. Minimum equipment required: CHM-650 module.

ELOTEST PL650 R – Up to 16 channels maximum

ELOTEST PL650 RC – Up to 4 channels maximum



Base unit	16 slots for functional modules		
	CHM-650 test module channel (one module included by default)		
Display	Widescreen TFT color display with IPS technology, 1280×800 pixels, 256 mm (10.1») diaonal		
	Display port output for Full HD monitor (via USB for touch screen)		
Sensor connection	26-pin HD sub connector for all types of sensors, compatible with the ELOTESTPL500 series		
	Connection for active array sensors with up to 64 elements per channel		
	Connection for external multiplexer sensors up to 64 elements per channel		
High-performance FPGA signal processing chain with:	10 Hz - 12 MHz sine wave generator		
	Two independent levels of digital demodulation		
	Digital signal processing chain with:	Distance compensation without auxiliary channel («Advanced» option)	
		Independently adjustable HP/LP signal filter 1 Hz - 100 kHz in 29 logarithmic steps per decade	
		Phase adjustment 0 - 359.5° in 0.5° increments	
Various real-time evaluation thresholds depending on application and licenses			
Additional functions per channel for which an advanced license is required (optional)	3rd, 5th, and 7th harmonic analysis	Basic functions per channel requiring a basic license (selectable)	1-frequency flaw detection
	Crack detection with distance compensation		1-frequency FastSort
	Multi-frequency flaw detection		1-frequency Q-Sort
	4-frequency FastSort (with harmonics)		1-frequency MeanSort
	Multi-frequency Q-Sort (with harmonics)	CHM-650 test channel module	Test frequency range 10 Hz - 12 MHz
	Multi-frequency MeanSort		Driver output +/- 10 Vs; max 1000 mA
	Internal multiplexer (2 sensors)	Remote control capability / PC software	Remote control via Full HD touch screen with virtual front panel (up to 100 m)
	Internal multiplexer (up to 64 elements)		Remote control and maintenance via TCP/IP and provided client PC (Windows, Linux, MAC)
	Parametric multiplexer (up to 64 settings)		Remote control via custom software with open TCP/IP protocol
	Frequency mixing function		
	Band acceptance thresholds		

Many modules and options are available, contact us for more information!



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