

ELOTEST PL600 - R/RC

Precise material sorting and high-resolution crack and grinding burn inspection

ELOTEST PL600/Remote, 19"/4HE

ELOTEST PL600/Remote Compact, 19"½/4HE

The innovative, fully digital eddy current platform for integration into automated systems



- ▶ Used with PC software under Windows or Linux
or with HDMI+USB connected touch display or standard display with mouse
- ▶ Including one universal test channel module with basic license
- ▶ PL600/R, fullsize 19" rack with 15 free slots for additional modules
- ▶ PL600/RC, half size 19" rack with 6 free slots for additional modules



Technical data:

- ▶ HDMI output for external Full HD monitors (via USB also with touch operation)
- ▶ Integrated I/O processor
- ▶ Central high-speed I/O processor integrated in the base unit
- ▶ Configurable I/O Functions (I/O Customizing)
- ▶ Connection to the outside world via I/O cards (fieldbuses, 24 V I/O) or via channel-related I/O connections
- ▶ Ethernet connection for TCP/IP parameterization, remote maintenance and data acquisition
- ▶ Windows Remote Control Client available
- ▶ 16 free slots for function modules (PL600/R)
- ▶ 6 free slots for function modules (PL600/RC)

Technical specifications of the CHM-600 channel module:

Basic functions:

- ▶ Test frequency range 10 Hz - 12 MHz
- ▶ Driver output +/- 10 Vs; max 1000 mA
- ▶ Measurement and monitoring of sensor current
- ▶ Voltage-regulated operation
- ▶ Continuous monitoring of the transmitting coils for wire breakage and shorted windings
- ▶ 26 pin HD-Sub socket for connection of all sensor types, compatible with ELOTEST PL500 series
- ▶ I/O connector for various signals (e.g. thresholds, status) connected to the integrated I/O processor

Configuration:

- ▶ The basic unit contains one configuration that must be specified when ordering.
- ▶ Each channel can be assigned 1 basic function or 1 additional function.
- ▶ If several functions are to be assigned to the channel, corresponding additional configurations are required which are not included in the basic price.

Possible basic functions per channel that require a basic license:

- ▶ 1-Frequency defect detection
- ▶ 1-Frequency FastSort
- ▶ 1-Frequency Q-Sort
- ▶ 1-Frequency MeanSort

Possible additional functions per channel that require an advanced license is:

- ▶ Harmonic analysis 3rd, 5th and 7th harmonics
- ▶ Crack testing with distance compensation
- ▶ Multi-frequency defect detection
- ▶ 4-frequency FastSort (with harmonies)
- ▶ Multi-frequency Q-Sort (with harmonies)
- ▶ Multi-frequency MeanSort
- ▶ Internal sensor Multiplex (2 sensors)
- ▶ External Sensor Multiplex (up to 64 sensors)
- ▶ Parameter Multiplex (up to 64 parameter sets)
- ▶ Frequency mix function
- ▶ Tolerance threshold

For an extra charge available I/O modules:

- ▶ I/O-600, Profibus module
- ▶ I/O-602, Universal I/O Module
- ▶ I/O-604, EtherCat module
- ▶ I/O-605, Devicenet module
- ▶ I/O-606, Profinet module
- ▶ I/O-608, Analog I/O Module
- ▶ I/O-609, RS422 module

Ambient conditions:

Housing protection class IP30, for installation in control cabinets

Dimensions:

Dimensions (mm)	PL600/R	PL600/RC
Height	195	185
Width	485 (19")	270
Depth	415	330
Weight (kg)	10,4	5,9

Power Supply:

- ▶ 230 V IEC plug
- ▶ Wide range power supply 110V/ 60 Hz AC or 220V/ 50 Hz AC

Order number:

- ▶ A0EZ15002010 - PL600 / R
- ▶ A0EZ15003000 - PL600 / RC



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