

AUTOMATIC TEST SYSTEMS

400 SERIES



Automatic Test Systems 400 SERIES: The top model of all test systems – valuable extras are all standard

The modular CE-test system is the solution for various test routines.
Intuitive operable, perfect data management and unique new features in testing technology.



All models come supplied with and without sockets.

Important highlights

- Universal test system
- Graphic or TFT display, both with touch screen and multi-function dial
- All sources fully electronically and regulated
- Relay matrix automatically switches between the test runs
- Freely programmable test paths, test parameters and limit values as well as the order of the test vectors
- Manually or fully automatic (menu controlled)
- Acoustic and optical fault indication
- Hi-Pot tests with all special functions
- Perfected periphery equipment
- PC driver for customer own applications
- Output of results as a tape print-out, protocol, file or into a database
- Freely programmable entries and exits, digital interface (status display, remote control)
- PLC / 24 V DC for digital selection of pre-selected test programmes
- Safety circuits, warning lamps as required by EN 50191
- Dimensions B x H x T: 400 x 210 x 420 mm
- Conforms to CE standards, safety technology as required by EN 50191
- Permanent intelligent fault management
- Customer specific solutions through individual adaptation of electrics, mechanics or software
- Capable of updates – your future safe investment

Important functions

- Ramp function, discharging the test object, residual voltage measurement
- Interactive test run through start and event control
- Monitoring of the test leads for conductor breakage and monitoring the contact with the test object
- Automatic start (Patent): Voltage is not turned on until both test probes have made contact with the test object
- Recognition of low energy surges and measurement of the phase angle in the Hi-Pot Test, etc ...

Available test modules

- Hi-Pot test
- Protective earth conductor test
- Insulation resistance test
- Through-put and short circuit test
- Voltage supply of the test object
- Function test and capability measurement
- Resistance measurement
- Current leakage test
- Revolutions measurement incl. revolution direction and zero point recognition
- Temperature module, pressure module, etc ...
- Picture processing

PREMIUM LINE X2: The Remote Variation

- Remote control via PC with ETL software DataView
- Remote control via PC with customer specific application and ETL driver (DLL, Active-X, LabVIEW)
- Remote control via PLC incl. digital programme selection
- Operating interface for input of visual tests and to display the status reports



PREMIUM LINE X4: The Stand-Alone Variation

- Basic functions as X2-variation and own operation
- 320 x 240 graphic touch screen to edit test plans, for status displays and parameter alterations
- Navigation plus with rotary pulse encoder
- Results and test plan memory



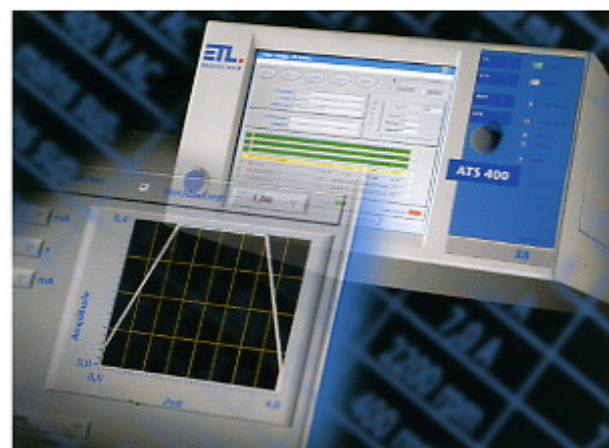
PREMIUM LINE X6: The PC-Inside Variation

- Basic functions as X2-variation and own operation
- Integrated PC with ETL software DataView
- External monitor via VGA-connection, position flexible
- Navigation plus with rotary pulse encoder
- All PC-interfaces e.g., Ethernet, USB, barcode, ...
- Additional functions, e.g., long distance maintenance, status information via e-mail, ...



PREMIUM LINE X8: The High-End Variation

- Basic functions as X2-variation and own operation
- Integrated PC with ETL software DataView
- TFT-touch screen with extended operating functions
- Navigation plus with rotary pulse encoder
- All PC-interfaces e.g., Ethernet, USB, barcode, ...
- Additional functions, e.g., long distance maintenance, status information via e-mail, ...



Choose your preferred operating concept from 1 of 4 variations – from the pure remote variation to the PC-based system with TFT-display and touch screen.

**Our company name has stood for intelligent testing equipment,
test systems and customer specific automated solutions for over 50 years ...**

- for monitoring the electrical safety (conforms to standard)
- for monitoring the electrical and non-electrical dimensions
- for optimising tests in the test end phases

The most important test modules are ...

- Hi-Pot
- Protective earth conductor resistance
- Insulation resistance
- Leakage, safety leads and contact current
- Current, voltage, capability measurement and $\cos\phi$
- Resistance, revolution, revolution direction, pressure and temperature
- Picture processing, measurement of test objects

Perfected test accessories such as ...

- Hi-Pot test probes and leads (also OEM)
- Standard and special test cages
- Software for data management and PC-drivers
- Contact apparatus
- Components for test area safety
- Test dummies, and more

Special features are ...

- HV-capability module up to 100 kV AC and DC
- HV-capability module up to 30 kVA
- Safety leads tester up to 50 A, 75 A and 100 A
- Automated solution for testing isolated tools
- Innovative robot technology for component handling



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