

AUTOMATIC TEST SYSTEM
SERIES ATS 400.

THE ATS 400 FAMILY – MODULAR AND RELIABLE.

The fully electronic modular combination test system for electrical safety and functional tests. Intuitive to use, perfect data management and expandable at any time.



- ✓ TÜV-Certified interlock safety circuit PLe, SIL3, Cat4
- ✓ High resolution high voltage measurement
- ✓ 2 channel oscilloscope display function
- ✓ Leading in accuracy and calibration ability

Key-facts:

- **Fully electronic:** wear-free, reproduceable and controlled
- **Application fields:** laboratory and manufacturing
- **CE-compliant:** safety technology in accordance with EN 50191 standard
- **Output of results:** PDF, XML, CSV, TXT, HTML file, various report formats
- **Interfaces:** digital, USB, LAN, RS232, PROFINET, CAN, analogue
- **Remote control:** ASCII, DLL, .NET, LabVIEW, ETL DataView 3
- **Service and support:** Reliable telephone support, short service times, remote maintenance and updates
- **Freely programmable:** parameters, limit values, start options, operator instructions, sequence options, matrix commands, dummy test
- **Expansion modules:** relay matrix, hot HV test, AC and DC sources and customized contact units
- **Integration:** 19-inch installation kit

THE ATS 400 – UNIQUE SELLING FEATURES.

Developed for the needs of our customers.
Leaders in security, reliability and innovation.

UNIQUE MANUFACTURER WORLDWIDE
with its own integrated and
TÜV-certified safety circuit (Interlock)
(PLe, SIL3, Cat4, IIIc)

RESIDUAL VOLTAGE MONITORING
and active discharge of the EUT

HIGH AVAILABILITY through
wear-free technology and equal
parts strategy. All parts in stock -
guaranteed for 10 years.

INVESTMENT PROTECTION
Retrofitting of additional
test modules


2-CHANNEL OSCILLOSCOPE FUNCTION
for display of voltage and current while
breakdowns

HIGH SAFETY LEVELS through
patented contact monitoring



STANDARD OR INDIVIDUAL – THE ATS 400 MODULE KIT SYSTEM.

Choose from more than 100 standard variants or configure your own individual system from 30 different test modules.




HIGH VOLTAGE TEST



PROTECTIVE EARTH RESISTANCE



LINE LEAKAGE TEST



POWER SUPPLIES




PARTIAL DISCHARGE-MEASURE & SURGE TEST





INSULATION-RESISTANCE




RESISTANCE-MEASUREMENT



FUNCTIONAL/ POWER MEASUREMENT



CONTINUITY & SHORT-CIRCUIT TEST



TEMPERATURE, PRESSURE-MEASUREMENT MODULE, ASO ...

OUR USER VARIANT.

No matter what your application, we deliver the right operating variant – independent of your test modules!

Basic functionality of all operating options:

- Remote control via PC with external user interface - ETL DataView3
- Remote control via external PC with customized application and drivers from ETL (.NET, LabVIEW, ASCII and DLL)
- Remote control through PLC with ASCII driver or digital Interface
- Optical and acoustic error visualization
- Interfaces: RS232, CAN, Digital-IO, safety circuit, signal lights, optional control actuators / sensors, analogue IO speed inputs,
- Optional: digital selection of test programs



X2: Remote operation – without Display

Ideal for 19" installation or integration into an existing PC system

Equipment:

- Without display and operating System
- Requires remote control

Advantages:

- High Flexibility, good integration possibilities
- Cost advantage to the X4 variant



X4: WinCE – 5.7" Display

The Basic version for stand-alone-use

Equipment:

- 5.7" Touchscreen, WinCE Operating system
- User interface ETL DataView3 (Test plan editor, parameter definition, device settings, user administration, visual operator instructions)
- Local storage of test results (HTML, CSV, XML and result telegrams)
- Optional: USB-, LAN- and PROFINET-Interface



X5: WinCE – 10.4" Display

Device based on the X4 variant with large touch screen

Equipment:

- Identical to X4-Variant

Additional Advantages:

- 10.4" Touchscreen
- Incl. USB- and LAN-Interface



X6: Win10 – Without Display

Built-in variant with integrated industrial Windows 10 PC

Equipment:

- Identical to X4 variant
- Without display

Additional Advantages:

- Win10 Professional Operating System
- Incl. USB, LAN and VGA interface
- Reports available in PDF format



X8: Win10 – 10.4" Display

High-end version with integrated Win10 PC and large touchscreen

Equipment:

- Identical to X4 variant

Additional Advantages:

- 10.4" Touchscreen
- Win10 Professional Operating System
- Incl. USB, LAN and VGA Interface
- Reports available in PDF format

THE ETL PORTFOLIO.

The ETL portfolio range goes from single and combination test devices to automation solutions such as test stations in a production environment.



COMBINATION TEST SYSTEMS – ATS 400

100 Standard variants, 30 different test types and 5 operating variants can be combined individually from the modular system



SINGLE TEST UNITS – Series 36

Standard and special units for high voltage, earth bond, insulation resistance and line leakage testing



SPECIAL TEST EQUIPMENT

Individual high-voltage test devices with up to 100 kV and 20 kVA output for use in railway technology and materials



TESTSYSTEMS & AUTOMATION

ETL develops and supports individual test solutions:

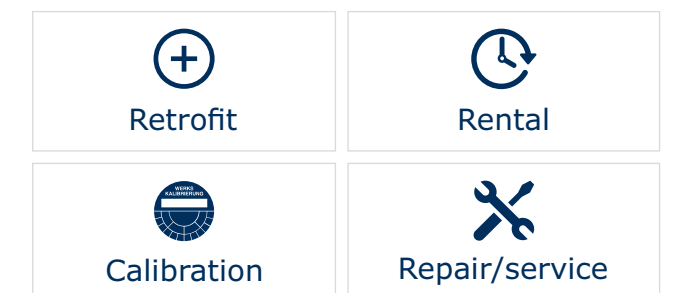
- Test stations and safety test cages
- Standard compliant design according to BS-EN 50191
- Matrix solutions for test points
- Individual DUT contacting & mould making
- Quick-change adapter interfaces
- Innovative construction techniques
- Customer specific software design



ACCESSORIES



SERVICE & SUPPORT





Duplicate your test points – the perfect extension for your ATS 400

MATRIX-CARD Relay matrix – ATM 400:

- With 8 x 2 poles or 16 single pole test points, cascadable as needed for all types of test and TP numbers
- Test points switchable singly or in a group (each against the other)
- Test voltage up to max. 3,000V AC / 4,200V DC
- Test current 25A (max. 60s ON, 90s OFF), max. 16A

MATRIX-MP Relay matrix – ATM 400:

- Any number of 2 pole test points
- Hybrid matrix for all test types
- Test points switchable singly or in groups (each against the other)
- Test voltage up to 6,000V AC / 8,000V DC
- Test current max. 32A

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