

Product Information

testControl II Xtension

CTA: 112643 100029



With one materials testing machine two testControl II Xtensions can be attached

Applications

testControl II electronics provide interfaces for all applications for integration of application-specific sensor technology.

testControl II Xtension expands your testControl II and provides you with 6 or 12 additional interfaces, enabling applications with high sensor technology requirements, for example in R&D and academia.

testControl II Xtension is a mobile unit that works hand in hand with any zwickiLine or AllroundLine.

Advantages and features

- Plug & play - quick and easy to use with standardized operation in ZwickRoell Roel testing software.
- Fast switching between various testing situations with different sensor systems, while your sensors remain connected.
- Money-saving mobile use on different testing machines.



testControl II Xtension detached

- All testControl II Xtension channels can be used for any calculations.
- testControl II Xtension's sensors can be used for force / strain control.
- Easy retrofitting whenever you need extra sensors.
- With the second testControl II Xtension even applications with an unusually large number of sensors are possible.

Reliable test results

- Automatic synchronization of all sensors
- Up to 2 kHz measured-value acquisition-rate
- Standardized use of high-quality testControl II components and ZwickRoell sensors
- Traceable test results achieved through standardized, traceable calibration of all sensors
- Repeatable, reproducible test results thanks to full integration into the testXpert III System Configuration Builder

Product Information

testControl II Xtension

Technical data

For use with an AllroundLine or zwickiLine materials testing machine with testControl II (from 2015)

| Type Item No. | testControl II Xtension 1021870 | |
|---|--|-----------------|
| Number of slots available for measurement and control modules: | | |
| Synchronized module bus slots | 6 | |
| Force measurement | Class 0.5/1, depending on load cell, as per EN ISO 7500-1, ASTM E4 | |
| Measurement range | Up to 165% of Fmax | |
| Calculated resolution (e.g. load cell in tensile/compression direction) | 24 | bits |
| Measured-value acquisition-rate | 400 | kHz |
| Measured-value transmission rate to PC | 500 (optionally 2000) | Hz |
| Zero-point correction | Automatic, at start of measurement | |
| Measurement signal runtime correction | Yes | |
| Interfaces | EtherCAT, synchronization module | |
| Software versions required: | | |
| testXpert II | from V3.7 | |
| tC II electronics | from V7.7 | |
| testControl II Xtension | from V7.7 EthBusExp | (Research V1.7) |
| Ambient temperature | +10 to +35 | °C |
| Electrical supply data | | |
| Electrical supply | 100 to 240 (wide-range input) | V |
| Tolerance range | ± 10 | % |
| Power consumption | 0.44 | kVA |
| Power supply frequency | 50/60 | Hz |

Optional accessories

testControl II Xtension mounting package

The basic version of testControl II Xtension is positioned vertically/horizontally near the testing system.

| Description | Item number |
|--|----------------|
| For mounting on the load frame of AllroundLine floor-standing testing machines | 1021871 |
| For mounting on the load frame of AllroundLine table-top testing machines | 1021874 |

testControl II synchronization module

When testControl II Xtension is used portably, a testControl II synchronization module is required for each additional testing system.

| Description | Item number |
|--|----------------|
| A dedicated slot for the synchronization module is provided in the testControl II machine electronics - no unoccupied module bus slot is required. | 1011313 |