

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