

Product Information

Temperature chambers for zwickiLine

CTA: 126205 126202



Temperature chamber for zwickiLine with optional large base (Item No. 059036) and optional leveling feet set (Item No. 083221)



Temperature chamber for zwickiLine, open

Description of system

This temperature chamber was designed specifically for use with a Type TN or TH zwickiLine testing system.

To enable installation of the temperature chamber the electronics unit is relocated to the extreme right-hand side. The Large Base option (Item No. 059036) is required for installation of the temperature chamber. The electronics can also be located separately. In this case the Leveling Feet option (Item No. 083221) is also required.

The Eurotherm controller has an RS-232 interface, manually controllable set-value function and a digital display showing actual and set values (optional control via PC with ZwickRoell testing software).

The door opens to the left. The temperature chamber is equipped with a viewing window and test-area illumination.

The temperature chamber includes a mains lead and attachment for zwickiLine (also includes an extended crosshead for zwickiLine). The temperature chamber can also be retrofitted.

- Economically priced temperature chamber with industry-proven Eurotherm controller.
- RS 232 interface for PC operation as standard
- Attachment to zwickiLine included.
- Ergonomic, CE-compliant design for simple, safe, and reliable operation.

Product Information

Temperature chambers for zwickiLine

Technical data

Item No.	1014436	
Design	door opens to left, controller installed on LH side	
Cooling system	LN ₂ (liquid nitrogen)	
Chamber control controller type	Eurotherm	
Test temperature	-50 to +180	°C
Ambient temperature	+10 to +35	°C
Average heating rate (no load) ¹⁾	5.5	°C/min
Average cooling rate (no load) ¹⁾	2.5	°C/min
Dimensions		
External dimensions:		
height	500	mm
width	700	mm
depth	425	mm
Internal dimensions:		
height	350	mm
width	250	mm
depth	250	mm
Weight	45	kg
Noise level	55	dB(A)
Input supply voltage	230	V
Power consumption	1.5	kVA
Interface	RS 232 (occupies one COM port on the PC)	
Included in delivery	<ul style="list-style-type: none"> • power supply cable • lower mounting stud, Ø 20 mm • attachment to zwickiLine 	

¹⁾ The heating and cooling times stated, together with spatial and temporal fluctuations in temperature, apply to a closed chamber without accessories.



NOTE

When zwickiLine Z2.5 is used with a temperature chamber the maximum test force is limited to 1 kN or with a Z5.0 to 2.5 kN. Pneumatic specimen grips cannot be mounted in the temperature chamber of a zwickiLine. On request the temperature chamber is also available with additional test area and/or larger temperature range.

Accessories required

Description	Item number
"Large Base" option	059036
Optional set of leveling feet for separate positioning of electronics	083221