

# Determination of Cement Strength

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## Cement Compression and Flexural Tester



### 300/15 kN double chamber frame model 65-L28Z10

#### General Description

Four column robust frame with double test chamber. Simple effect ram with electrical limit switch. This model is fitted with 165 mm dia. round compression plates and have to be completed with the suitable accessory (see later notes on accessories). The frames is fitted with a precision load cell for load measurement.

#### Connection to control consoles

The 15 kN load pistons of the twin test chamber model 65-L1301/FR and single chamber model 65-L58Z10 connected to Pilot 4 and Automax 5 Control consoles, require the 65-L1400/X5 pressure regulator which, however, is not necessary for connection to MCC and Advantest 9 consoles. See Upgrading options.

#### Machine/Frames precision Class. EN 12390-4, ASTM E74

All frames, when connected to a suitable control console, can be calibrated to Class 1 starting from 10% of load scale as specified in the specification table. By special calibration procedure, it is possible to obtain Class 1 starting from 3 to 300 kN (calibration code 50-C0050/CAL) and starting from 0.75 to 15 kN (calibration code 50-C0050/CAL5). This option has to be specified at time of order.



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## Cement Compression and Flexural Tester contd.

### Technical Specification

<b>Model</b>	<b>L28Z10</b>
<b>Max. Load : kN</b>	15/300
<b>Ram travel : mm</b>	30/50
<b>Vert. span : mm</b>	200
<b>Horiz. span : mm</b>	220
<b>Platen dim. : mm.</b>	165 dia
<b>Overall Dim. : mm (l x g x h)</b>	567x405x1771
<b>Weight approx : kg</b>	240
<b>Class 1 measuring range from : kN</b>	1.5 to 15 30 to 300
<b>Class 1 measuring range from : kN:*</b>	0.75 to 15 3 to 300

### Upgrading

<b>Safety fragment guard</b>	
<b>65-L2800/P</b>	Transparent rigid fragment guard for single chamber frame 65-L28Z10
<b>Fragment guard locking switch.</b>	
<b>50-L0050/P</b>	Factory installed, for prevention of the test execution with the safety guard open.
<b>Platens surface hardness certificate</b>	
<b>50-L0050/HRD**</b>	Traceable hardness certificate for platens 165 mm dia. Min. hardness 55,5 HRC.
<b>50-C0050/HRD5**</b>	Traceable hardness certificate for platens 40x40 mm. Min. hardness 60 HRC.
<b>Special calibration procedures</b>	
<b>50-C0050/CAL</b>	Special calibration procedure to obtain class 1 from 1% of the 300kN scale
<b>50-C0050/CAL5</b>	Special calibration procedure to obtain class 1 from 5% of the 15kN scale
<b>Hydraulic pressure regulator.</b>	
<b>65-L1400/X5</b>	Hydraulic pressure regulator for frames 65-L28Z10 and 65-L58Z10 connected to Pilot and Auto-max Smart-Line control consoles.

\*\* to be specified when ordering the unit

### Compression Devices Accessories



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