

Low Temperature Compression Set Rig, EV 09



The test rig in the Freezer ET03 adapted for Low Temperature compression set.

Performing compression set at low temperatures without having to open the deep-freezer and influence the compression set result has always been a problem.

By using our EV 09 compression rig in combination with a deep-freezer with a special lid the test can be performed without touching the test piece. All adjustments of height and releasing the compression are made outside the freezer thus improving the accuracy of the test results.

The EV 09 rig has a digital gauge (0,001 mm), the piston is made of titanium and the test weight is simply mounted on to the titanium piston. The sample can remain in the test rig for the whole test period and during the recovery time.

The system is a complete system with rigs, a special adapted deep-freezer and logging software. The values can also be recorded manually.

Technical Specification Low Temperature Compression Set Rig, EV 09

Range, mm:	12,7
Accuracy, mm:	± 0,003
Resolution, mm:	0,001
Dimensions, dia x h, mm	120 x 450
Weight: kg	approx 6
Material:	stainless steel
Temperature sensor:	PT 100, 1/3 DIN

The test rig is equipped with a digital gauge which can be connected to a PC for recording of the creep.