CREEP TEST

This test is performed for measuring the shrinkage of cylindrical specimens under constant loads at different time intervals. The apparatus consists of a load frame designed to apply and maintain the required load on the specimen. The initial compression is applied by a portable hydraulic jack. The load maintaining element is a series of springs preloaded by the hydraulic jack.

The apparatus is supplied complete with hand pump, two 200 mm diameter precision gauges (one permanently connected, the other for loading) and a hydraulic jack.

The typical application of this apparatus is for research purposes.

We are at your disposal for all information you may need.

CREEP TEST

SPECIFICATION

Maximum load: 300 kN

Vertical testing space: 1650 mm

Compression platens: 165 mm diameter. The upper platen is spherically seated.

Hydraulic jack: 300 kN capacity

Hand pump with precision Bourdon gauge 200 mm diameter

Bourdon gauge 200 mm diameter permanently connected

Frame dimensions: 450 mm diameter x 2680 mm height

Weight: 300 kg (approx.)

Code	Description	Qty
82-P9008	DATALOG 8, 8 channels multipurpose data logger	
82-P9008/ ELT	Set of 4 connecting cable	
82-P9008/ SOF	Data aquisition software	
82-P0398	Electrical compensation device	I
82-P0393 *	Strain gauges, 60mm lenght. Pack of 10.	
82-P0399/C	Strain gauge application kit.	I
82-P0399/1	connecting terminals, 50 pairs	1
55-0O235/LC	Upgrade of the 55-0O235/A creep tester with a 300kN load cell for digital acquisition of the axial load	1 (as opt)

STANDARDS

- ASTM C512

ACCESSORIES

82-P0396

Strain gauge 120mm gauge length. (Pack of 10)

82-P0393

Strain gauge 60 mm gauge length. (Pack of 10)

82-P0398

Compensation device for up to 4 Wheatstone bridges with 1/4 or 1/2 bridge setup

82-P0399/C

Strain gauge application kit including: conditioner, neutralizer, acetone, tweezers, adhesive with catalyst agent, 100 m of bipolar cable, solder, soldering iron, scalpels, scissors, duct tape, sellotape, sandpaper and carrying case.

82-P0399/1

Connecting terminals. 50 pair’s sheet

82-P9008/ELT

Set of four cables for connecting load cells, pressure transducers, strain gauges, LDT / LVDT / potentiometric type displacement transducers to DATALOG 8 (82-P9008) and GEODATALOG 8 (30-WF6008)

82-P9008/SOF

DATACOMM 2 data acquisition software and LAN cable for PC connection of DATALOG 8 (82-P9008, P9008/F) - Up to 8 data logger (total 64 channels) can be connected to a single PC creating a modular network (LAN hub is required)

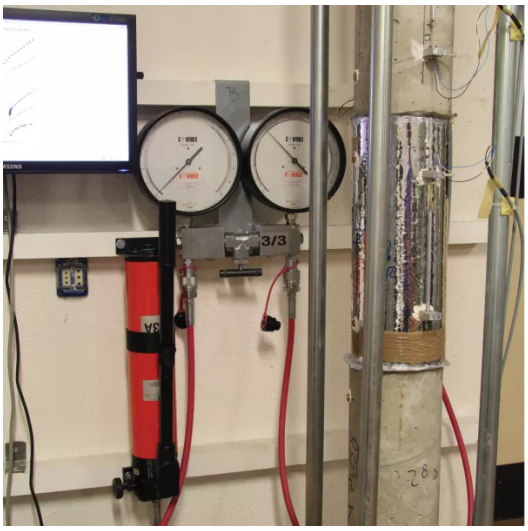
82-P9008

DATALOG 8, 8 channels standalone multipurpose data logger. 110-230V / 50-60Hz / 1 Ph.

55-C0235/LC

Upgrade of the 55-C0235/A creep tester with a 300kN load cell for digital acquisition of the axial load. Data logger system not included.

ORDERING CODE

55-C0235/A

300kN capacity load frame for creep test.