CONTROLS Your Partners
Masters of Technology

PILOT

Automatic compression testers for cubes and cylinders

COMPACTline EN SERIES

- Four column high stiffness welded frame tested for stability
- Heavy duty spherical seat in lubricating oil bath
- Automatic control of test execution conforming to Standards
- Dual user interface display and PC
- Accuracy Class 1 (EN) and Class A (ASTM) starting from 10% of full scale (from 1% on request)
- Compatible with the new intuitive easy to use DATA MANAGER Software
- Reduced power consumption and silent operation by ES Energy Saving Technologies
- Double stage hydraulic pump with rapid approach: high throughput of tests (up to 40/hour)
- Soft platen-to-specimen contact and smooth load rate from the ramp start
- Optional control of a second and third frame
- Optional internal graphic printer including Load-Time plot
- Remote verification of settings and performances for malfunctions debugging
- Storage of up to 10 test profiles for each channel for quick start

Frame

Four column high stiffness welded frame tested for stability to EN 12390-4.
Heavy duty spherical seat in lubricating oil bath, allowing initial free alignment at the initial contact with the specimen and automatic jamming up to the end of test.

Compression platens

See table. Traceable certificate of surface hardness available on request.

Pilot, Automatic power and control system

Dual stage pump, centrifugal for fast approach and multi-piston for loading, DC motor, ES Energy Saving technology, manual valves for loading/unloading and frame selection.

Hardware

132,000 points effective resolution, three channels, touch screen graphic display 240x128 pixel, sampling rate 50/sec, large storing capacity on USB pen drive, test data downloadable to PC, Ethernet port, real time management software (optional, see accessories 82-SW/DM DATAMANAGER)

Firmware

Simultaneous display of load-specific load, actual load rate and load/time graph; LAN connection to PC; advanced memory management; multi coefficient calibration.
Recording facility of up to 10 test profiles for each channel including type of test (e.g. compression, flexural, indirect tensile), specimen size and shape, load rate, standard in use and other general information. Each one of the recorded test profile can be recalled automatically to save time

Safety features

Includes: Max. pressure valve to avoid machine overloading; piston travel limit switch; emergency stop button; front door and rear transparent fragment guard.

Standards EN 12390-4

kN 2000	kN 3000	kN 4000	kN 5000

Cubes
up to 300* mm

Cylinders up to dia.
160 x 320 mm,
250 x 500* mm

*With the 4000 and 5000 kN versions only.

CVi TECH
CUSTOMER VALUE DRIVES
THE INNOVATIONS