

CON4

4 Column concrete testing machine



Designed for the Masonry and Concrete industry, the CON 2000-6000 kN offers a unique solution for generating, filing and displaying quality data. It is built around a specially designed testing machine, and it offers the user a fast and effective way of generating and presenting a quality report for masonry or concrete samples. Additionally it offers a data filing and retrieving system giving the user instant access to reports on any previously tested samples. Much more than just the compression test results can be included in the quality report. The TRAM QA software offers the user a simple way to incorporate all relevant quality parameters in a system of tables that can be set up for almost any application. It is ideally suited to quality assurance and process control as well as research and development. It is capable of performing a wide range of complex testing procedures and can be set up for relevant international or national standards e.g. EN 12390, EN772-1 and ISO 4012.

The special machine design provides optimum stiffness resulting in accurate deformation measurements, when the optional deformation sensor is used. Testing is controlled from the computer after keying in sample identification. During the testing the load-deformation curve is simultaneously generated on the monitor. The machine is floor mounted. Automatic positioning of the loading head virtually eliminates the waiting time between tests. The machine complies with the requirements of EN 12390-4.



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Specification

Model	Con 6000
Loadcell Capacity	6000000 N
Weight	6000 kg
Max stroke length	300 mm
Daylight between columns	750 mm
Vertical daylight	600 mm
Frame stiffness	6000 kN/mm
Resolution	30.00 N
Supply Voltage	3*400 V 50 Hz, max. 3 kW
Speed Range	50

Standards

EN 12390-3	Testing hardened concrete. Compressive strength
EN 772-1	Methods of test for masonry units - Part 1: Determination of compressive strength

An extraordinarily stiff frame construction, up-stroke loading via a hydraulic piston, and an optional accurate measure of the piston travel are the basis of the CON-system. A PC with TRAM QA Windows software makes the machine a powerful "automatic" system for generating, filing and displaying quality data for concrete productions. Simple to use software will enable the operator to grow familiar with the test machine after a very short time, even if he has no experience at all in operating a computer. The software is supplied in national languages as required.

Comprehensive electronic protection prevents the machine from overloading damage or driving out of limits. A simple calibration procedure is included in the software. For operation in dusty environments the system can be supplied with the computer and printer in a sealed tower arrangement. A transparent fragment shield with a locking safety switch is also available.

Due to the modular design of the equipment and the versatility of the software, tailored systems can be offered at a moderate price.



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