

Control console with Measuring and Weighing System for Increased Productivity and Ergonomic Working

For customers that requires high specimen throughput combined with ergonomic workflow the control console with measuring and weighing system can be added to the D series instead of the 19" Control Console.

This system allows the quick and accurate determination of the weight and dimensions of cubes and cylinders. A high reproducibility of these measurements are obtained because operator influences are reduced and measuring data are sent direct into the Proteus Test Software. The specimen weighing and measuring process is quick so that your qualified laboratory staff is relieved of routine jobs and is thus available for more complex activities.

Measuring Process

The sample is shifted over the rollers against the front stop. Then the measuring-bow with incremental measuring system is pulled manually forward against the sample. The bottom on top of the handle releases the measuring. The integrated high precision balance determines the weight of the sample. The specimen height is automatically measured in the compression testing machine at a small pre-load. All measuring values are automatically transferred into the testing software via interface.

Features

- Upper Part:
 - 19" rack with integrated electrical control and digital controller
 - PC, Monitor and Printer
 - Balance control display
- Middle Part:
 - Integrated high precision balance
 - Digital measuring device
 - Roller path for easy entering of the specimen into the testing machine
- Lower Part:
 - Front doors and cabinets
 - Integrated low noise hydraulic power pack to furnish the pressurized oil for the testing machines

Control

- Servo-controlled test procedure in closed loop mode in connection with servovalve and digital controller DIGICON 2000/3000
- PC with building material testing software PROTEUS-MT

Options / Accessories

- Models with 1, 2 or 3 corpus
- Additional 1 meter roller to put on the side of the system
- Automatic measuring of the dimensions by pressing a release switch and with hydraulic linear actuator
- Digital vernier
- Extensometers

Specimens

- Cylinders Ø 95 - 160 mm
- Cubes 95 - 210 mm

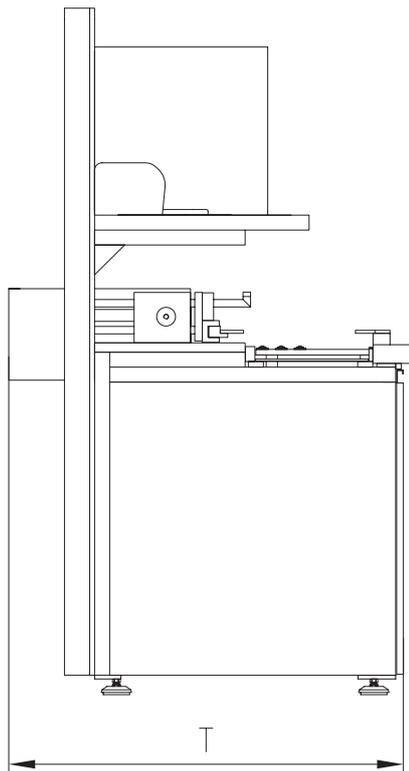
Available with Machines

- Series D
- Series DV
- Series DB
- Any other testing machine can be connected on the other side of the console.



Specifications

Models	SP SP - WMS SP - WMS2	Control console with measuring and weighing system with additional 3rd corpus
Accuracy	Balance 1 g Measuring Device 0.1 mm	
Colour	Stainless steel and white board on the back	
Power Requirements	3 x 400 V, 50 Hz. Others upon request	



Technical Data		1.5	2.5	4.0
System Corpus	No.	1	2	3
Console Width (B)	mm	700	1400	2100
Console Depth (T)	mm	840	1025	
Console Height (H)	mm	1900		
Roller Width	mm	300		
Working Height	mm	900		

Available Integrated Hydraulic Power Packs

Power Pack	PA	1.5	2.5	4.0	5.0	6.5
Pump Delivery	l/min.	1.5	2.5	4.0	5.0	6.5
System Pressure	bar	400				
Tank Capacity	Litres	25		40		50
Cooling Requirement	l/min.	0.2	0.4	0.6	0.8	1.0
Power Consumption	kW	1.0	1.5	2.5	3.0	4.0
Weight with Oil fill	kg	300	310	340	360	380
Noise level at 1 m	dBA	58			59	

