

Universal Testing Machine (UTM)600kN

CST-600

CANTROL
Construction Materials
Testing Equipment

Control Universal Testing Machines and accessories are designed to perform tensile tests on steel reinforced bars from diameter 8-28mm and flat max. 1x15 mm and compression tests on concrete cube specimens max. side 200 mm and cylinders max. diameter 6*12inches (150x 320) mm. Each part has been designed to manufacture machines with a high degree of accuracy and mechanical stability that complies to BS 1610, ASTM C-39, E4 AASHTO T-22, NF P18-411, DIN 51220.

Standards:

BS1610,
ASTM C-39 E4
AASHTO T-22,
NF P18-411,
DIN 51220

Model: CST-600/1

CST-600/2

TECHNICAL SPECIFICATION:

*Load capacity in tension (kN), %1 accuracy	600
*Load capacity in compression (kN), %1 accuracy	1200
*Sets of Jaws for round bars of 6-26mm	
*set of Flat bars for Flat Jaws of cross section less than 520mm	
*Max. vertical clearance with compression test accessory (mm)	768
*Max. distance between grips, excluding piston travel (mm)	300
*Distance between columns (mm)	310
*Max. ram stroke (mm), Limit Switch protected	150
*Resolution digital display (kN-mm)	0.01
*Load measurement Accuracy (starting from the first 10% of load range)	± 1%
*Strain measurement Accuracy (mm)	0,01
*Rate of piston speed, mm/min, digitalized tool bar	0-150
*Types of sealing	PTFE
*Set of compression test (Accessories), upper spherical seat and bearing plate, lower bearing13- plate and steel spacers,	Ordered separately
*Display, w/ tool-bar for speed rate 20*40, 24 bit Big character	
*Compression or tension test method:	Yes
*Input Sensors Channels	4
*Extensometer ,0.001 mm accuracy	Optional
*Online display of speed rate based on stress control and strain control	Yes
*Online Display of Force, Tension, Speed Rate, Elongation	Yes
*Engineering Units	N, Kg, Lbf
*Output of Data through PC to save and calculation	Yes
*Controlling of process of Testing by Digital Controller	Yes
*Online Drawing of Tension/ Strain , Calculating max. Tension, Max. elongation	Yes
*Preparing of Report of Test in Excel	Yes
*Ten Point Calibration Method	Yes
*Languages selection:	English
*Power Supply: Model: CST-600/1	0.75Kw, 1Ph,110V,60Hz.
*Power Supply: Model: CST-600/2	0.75Kw, 1Ph,220V,50Hz.
*Overall dimensions approx. (mm)	759x550x1750



Universal Testing Machine

Steel



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