

TT 2803



TIRAtest Universal testing machines

TT 2810



TT 2805



Universally applicable material testing machine according to DIN 51220 and EN ISO 7500-1 for tensile, compression and bending tests. The machine is employable for research development, quality control and education.

Type	TT 2803	TT 2805	TT 2810
Load frame:			
Max. test force (N):	3.000	5.000	10.000
Max. stroke (mm):	960*	1.000*	1.000*
Total height without (A)/with machine stand (A1) (mm):	1.250/--	1.410/1.950	1.410/1.950
Total width (B) without/with controller (B1) (mm):	630/--	720/980	720/980
Total depth without (C)/with machine stand (C1) (mm):	430/--	600/610	600/610
Weight with/without machine stand (kg):	85/--	175/200	175/200
Test area dimensions:			
Height (G) (mm):	1.030*	1.100*	1.100*
Width (E) (mm):	390	450	450
Depth (F) (mm):	--	--	--
Working height (D) with machine stand (mm):	--	680	680
Measuring, regulation and control electronics:			
Interface:	Ethernet		
Extension slots:	up to 7 slots		
Force resolution:	up to 200.000 steps		
Data logging rate:	up to 5kHz		
Optional remote control:	Yes		
Drive unit:			
Motor:	DC-Servomotor		
Set value:	Inkremental, ±15 bit Auflösung		
Cross head travel (resolution) (mm):	<0,001		
Cross head travel (speed) (mm/min):	0,01 – 750		
Electrical connection:			
Connection voltage:	115V, 230V		
Main frequency:	60Hz, 50Hz		
Power consumption:	200VA	200VA	400VA
* without force transducers and coupling			
** including EDC			
- Ball screw spindle adjusted without free play of single nuts			
- Force measurement with exchangeable force transducer			
- Force measuring accuracy with 0,5% or 1% according to EN ISO 7500-1 and ASTM E4			
- Further options on request			
- All information is supplied without guarantee.			

