

TIRAtest Materials Testing Machines

TT 2820



To test:

20kN

- Metals
- Non-ferrous metals
- Strands
- Timber
- Components
- Plastics
- Rubber
- Etc.

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 2820
Load frame:	
Max. test force (N):	20.000
Max. stroke (mm):	1000*
Total height A (mm): without/with sub-frame	1430/1950
Total width B (mm): without/with sub-frame	720/980
Total depth C (mm): without/with sub-frame	600/610
Working height (D) with sub-frame:	700
Test area dimensions:	
Height (G) (mm):	1100*
Width (E) (mm):	450
Depth (F) (mm):	--
Weight without/with sub-frame (kg):	225/250
Measuring, regulation and control electronics	
Interface:	Ethernet
Extension slots:	Up to 7 slots
Force resolution:	200.00 steps
Data logging:	Up to 5 kHz
Remote control optional:	yes
Drive unit:	
Motor:	DC-Servomotor
Set value:	Incremental, ±15 bits resolution
crosshead travel (resolution) (mm):	<0,001
crosshead travel (speed) (mm/min):	0,01 – 800
Electrical connection:	
Connection voltage:	115V, 230V
Mains frequency:	60Hz, 50Hz
Power consumption:	700VA
*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.	

