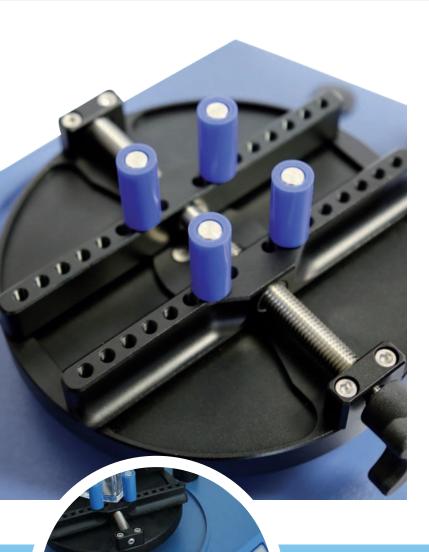


VORTEX-I AUTOMATED TORQUE METER





THE OPTIMIZED MODEL WITH UNLIMITED POSSIBILITIES

VORTEX-I COUPLEMÈTRE AUTOMATISÉ

THE OPTIMIZED MODEL WITH UNLIMITED POSSIBILITIES

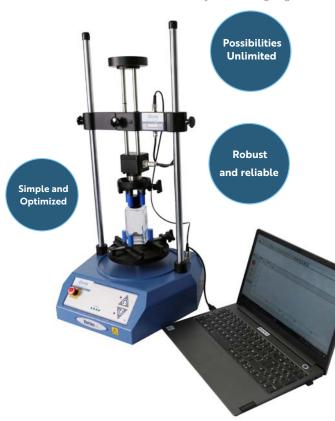
FUNCTION

The Vortex-I is a high-end torque meter controlled by a software running on a PC. Accurate, easy to use, and optimized by its choice of materials and features, it allows static torque measurement up to 10 Nm. The leading flexible solution for automated torque testing on a wide range of plugs and components.

A simple and efficient solution to simulate your daily torque applications in many industries.

A rugged two-post frame capable of applying torque up to 10 Nm (90 lbf.in). Large and wide enough to accept a variety of test specimens, yet compact for use as laboratory equipment.















TECHNICAL INFORMATION

VORTEX I	0,3 N.m	1,5 N.m	3 N.m	6 N.m	10 N.m	
Capacity N.m	0 - 0,3	0 - 1,5	0 - 3	0 - 6	0 - 10	
Kgf.cm	0 - 3	0 - 15	0 - 30	0 - 60	0 - 100	
lbf.in	0 - 2,7	0 - 13	0 - 26	0 - 52	0 - 90	
Dimensions						
Maximum crossbar travel		182 mm (7.2")				
Max. base/axis travel of the sensor		505 mm (19.9") 448 mm (17.6")*				
Width between columns		280 mm (11.02")				
Weight		19,5 kg (481b)				
Diameter of the lower gripping plate		10 - 190 mm (0,39 - 7,5")				
Diameter of the upper gripping plate		10 - 78 mm (0,39 - 3,07")				
Maximum power required		100 W				
Voltage		230 V AC 50 Hz or 110 V AV 60 Hz				
Torque measurement						
Torque sensor capabilities		0,3, 1,5, 3, 6 & 10 N.m				
Accuracy		±0,5% of the full scale				
Resolution		1:6500				
Units	m٨	mN.m, N.cm, N.m, kgf.cm, gf.cm, ozf.in, lbf.ft, lbf.in				
Speed						
Speed range		0,1 - 20 rpm (in both directions)				
Accuracy		±1% of the indicated speed				
Resolution		±0,1 rpm				
Rotation						
Maximum rotation		2440 rpm				
Accuracy		0,2" by 36,000°				
Resolution		0,001 rpm (±0,2°)				
Software						
Digital reading of load / angle / speed		yes				
Communication with the test bench		via port RS232 ou port USB (convertisseur fourni)				
Required characteristics	100 Mb a	100 Mb available HD, CD-Rom + RS232/USB port available				
Operating system	Comp	Compatible with Windows® 2000, XP, Vista 7, 8 and 10				
Acquisition speed		Choice of 1000 Hz, 500 Hz, 50 Hz and 10 Hz				
Secondary input	E	Event input (switch), digital controls I/O ports				
Data output	RS232 port	RS232 port (directly or via USB/network converter in ASCII format) ASCII (Export to table, SPC software)				

SEVERAL APPLICATIONS









Test on Luer Lock

Headphone test

Rotary test



EMPEROR SOFTWARE

The Emperor software is designed to work with Traction/Compression benches. It is suitable for use in the laboratory or factory.

It integrates 2 operating modes:

- A Console mode, which allows you to create simple programs and control the device with a minimum of buttons. Several pre-recorded tests are available. This mode is adapted to a factory use.
- A programmed test mode, more complete to push the capabilities of the traction benches even further.

Create

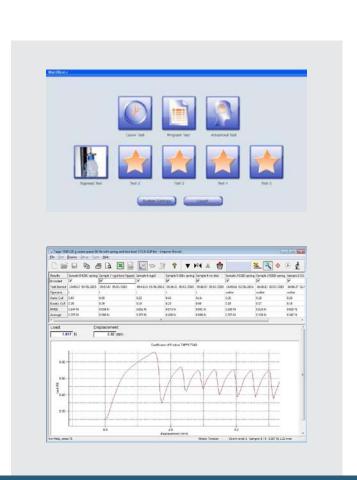
- Intuitive user interface
- Step-by-step construction of test routines
- One-click selection of preferred test procedures

Test

- Real time graph
- Display of measured and calculated values
- Clear and precise indication of conformity (Pass/Fail)

Reports

- Standard and customizable templates
- Print results in Adobe PDF format
- Export results to Excel and SPC documents

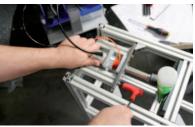




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