

HST-BF1000E Bolt Friction Coefficient Tester



Picture for reference only

Application:

The fastener friction coefficient tester is mainly used for the test and analysis of bolts, screws and nuts fasteners. By applying the tightening torque to the bolt-nut connection pair to generate the clamping force, its fastening characteristics can be measured, such as clamping force, fastening torque, thread torque, support surface torque, total friction coefficient, support surface friction coefficient, thread friction coefficient, torque coefficient K, etc. Widely used in aerospace, universities, research institutes, quality inspection, automobile, rail transit, wind power and other fields.

Standard

GB/T1231-2006 Specifications of high strength bolts with large hexagon head, large hexagon nuts, plain washers for steel structures, GB/T 16823.3-2010 Fasteners-Torque/clamp force testing, ISO16047-2013

Fasteners-Torque/clamp force testing, GBT16823.2-1997 General rules of tightening for the threaded fasteners, GB/T50205 Standard for acceptance of construction quality of steel structures.

Users can also provide relevant technical standards, and realize the control of test methods and related data collection and processing according to the standards provided by users.

Product technical parameters

MODEL	HST-BF1000E
Host form	horizontal
Maximum dynamic torque measurement range (N · m)	1000N · m
Static torque measurement range (N · m)	500N · m
Torque measurement range	1-100% F S
Relative error of torque indication	± 0.5%
Repeatability of torque indication	≤ 0.5%
Torsion speed	0-20r/min
Torsion speed accuracy	± 1%
Maximum axial force	2000N
Comprehensive error of axial force	± 0.5%
Axial force resolution	1N
Measurement range of axial force	1% F S~100% F S
Clamping test dimensions	M10-M20
External dimensions (mm)	1611 * 540 * 590
Equipment weight	Approximately 450kg

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