

Torque wrench calibration bench BC310-VA

The BC310-VA (*Workshop version*) is dedicated to control and adjustment of manually operated torque wrenches and dynamometric screwdrivers used in workshop for tightening operations with imposed torque. Equipped with 2 interchangeable digital torque sensors, a detector reader, it displays the applied torque value and memorizes, either the maximum torque value or the first peak corresponding to the release of the tested equipment. Easy-to-use, the BC310-VA is equipped with an adjustable crank key holder and automatic detection of the sensor used. At the end of the test, the operator can print an adhesive label on which the value of the release torque, the date of the test and the serial number of the key used are indicated.

The CANbus sensors of the BC310 are automatically recognized by the controller (plug and play function), the calibration data being stored in the sensors. Maintenance in case of calibration or replacement is considerably easier.



HIGHLIGHTS

- Standard range : 0.2 à 500N.m
- Interchangeable digital torque sensors
- Smart display with many integrated functions
- Accuracy : $\pm 1\%$ of reading
- Automatic printing of control/traceability adhesive labels

APPLICATIONS

X	MRO
	TEST R&D
	Calibration
X	Production
	Autre

KEY WORDS

- Control of tightening torque
- Torque wrenches controller
- EN ISO 26789

TECHNICAL SPECIFICATIONS

Sensors	1 or 2 interchangeable digital torque sensors Signal : CANbus
Measurement range	Standard : 0.2 à 500 N.m Mini : 0.024 N.m Maxi : 2000 N.m
Accuracy	± 1% of reading (from 2 à 100% of FS for each sensor)
Overload	150% of FS for each sensor Integrated torque limiter on sensors
Display	Measured value and maximum value or 1st peak (user selectable)
Display integrated functions	Memorization of the triggering peak Plotting of the torquing curve Unit conversion Automatic detection of torque sensors
Languages	English, French, Spanish, Portuguese
Available units (automatic conversion)	N.m - cN.m - daN.m - kgf.m - kgf.cm - ft.lb - in.lg - ozf.ft - ozf.in
Calibration	COFRAC-traceable Calibration certificate Recommended calibration frequency: annual
Mounting position	Horizontal, fixed on a workbench or work surface
Communication	RS232 communication port (standard); Ethernet (on request)
Power Supply	100 - 240V AC / 50-60Hz
Temperature for use	0 to +50°C
Temperature for stowage	-20 to 60°C
Protection level	IP50 ; IP54 (on request)
Dimensions	(L x W x H) 400 x 450 x 230 mm (excluding travel of adjustable crank holder)
Weight	Nearly 14kg
Adhesive label printer (option)	Printing of the date, measured torque and identity of the controlled wrench Self-adhesive labels - size: 32 x 25 mm
Accessories	Stowage box Adjustable torque wrench holder
Options	Increasing mechanical adapters (1/4", 3/8", 1/2" squares) Adjustable torque wrench holder up to 500N.m Adjustable holder for dynamometric screwdrivers MODBUS TCP format Communication Port

DIMENSIONS (mm)

