

BRAVO

QC Interchangeable Digital Torque Wrench



- Model: BVSE-QC-20PC~ BVSE-QC-800PC
- Range: 0~ 850 N-m
- Head: 1/4", 3/8", 1/2", 3/4"
- Torque Accuracy: $\pm 1\%$

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Main Features

- 1) For Re-tightening quality inspection.
- 2) Digital viewable LCD display with LED Lights. Using Transducerized sensor to detect slight movement of bolts to confirm torque values of pre-tightened fasteners. Selectable Dual modes :- M1 QC mode for verifying torque values on pre-tightened fasteners displaying peak values & M2 mode -Torque Measuring Mode displaying track or peak values.
- 3) Judgment functions with LED display and buzzer sounds in quality control mode. Unique ergonomics, user-friendly design of the entire tool for professional use with interchangeable heads for hard to access joints. Bi-directional function for verifying clockwise & anti-clockwise loosening torque.
- 4) Data memory of 250 readings can be stored & transferred to the computer.
- 5) Easy Data transfer via USB connecting cable to computer software or printer
- 6) Applicable to use in the EU region. Comply with calibration procedures of ISO6789 Type I Class C. Accuracy Guaranteed of +/- 1% for standard models & 2.5% for high torque models.

Unit : N-m, In-lb, ft-lb, kg-cm
Mode M2 : Peak hold / Track

Communication port
web-calibration



These side LEDs can help the
users with their side view.



BVSE-QC-20PC – BVSE-QC-340PC



BVSE-QC-500PC & BVSE-QC-800PC



Model	BVSE-QC-20PC	BVSE-QC-30PC	BVSE-QC-60PC	BVSE-QC-135PC	BVSE-QC-200PC	BVSE-QC-340PC
Torque Accuracy *2	CW : ±1% CCW : ±2%	CW : ±1% CCW : ±2%	CW : ±1% CCW : ±2%	CW : ±1% CCW : ±2%	CW : ±1% CCW : ±2%	CW : ±1% CCW : ±2%
Square Drive (inches)	9*12mm x 1/4"	9*12mm x 1/4"	9*12mm x 3/8"	9*12mm x 1/2"	14*18mm x 1/2"	14*18mm x 1/2"
Head Type	Round Head Ratchet Insert	Round Head Ratchet Insert	Round Head Ratchet Insert	Round Head Ratchet Insert	Round Head Ratchet Insert	Round Head Ratchet Insert
Max. Torque	20 N-m / 14.75 ft-lb 177 in-lb / 204.1 kg-cm	30 N-m / 22.12 ft-lb 265.5 in-lb / 306.1 kg-cm	60 N-m / 44.24 ft-lb 1195 in-lb / 612.2 kg-cm	135 N-m / 99.5 ft-lb 1195 in-lb / 1378 kg-cm	200 N-m / 147.5 ft-lb 1770 in-lb / 2041 kg-cm	340 N-m / 250.7 ft-lb 3009 in-lb / 3469 kg-cm
Torque Measuring Range	1~20 N-m 0.73~14.76 ft-lb 8.85~177 in-lb 10.2~208 kg-cm	1.5~30 N-m 1.11~22.12 ft-lb 13.3~265.5 in-lb 15.3~306.1 kg-cm	3~60 N-m 2.21~44.24 ft-lb 26.5~530.9 in-lb 30.6~612.2 kg-cm	6.8~135 N-m 5~99.5 ft-lb 60~1195 in-lb 69~1378 kg-cm	10~200 N-m 7.4~147.5 ft-lb 88~1770 in-lb 102~2041 kg-cm	17~340 N-m 12.5~250.7 ft-lb 150~3009 in-lb 173~3469 kg-cm
Torque Accuracy Guaranteed Range	4~20 N-m 2.95~22.12 ft-lb 36~265.5 in-lb 40~306.1 kg-cm	6~30 N-m 4.4~22.12 ft-lb 53~265.5 in-lb 61~306.1 kg-cm	12~60 N-m 8.8~44.24 ft-lb 106~530.9 in-lb / 122~612.2 kg-cm	27~135 N-m 19.9~99.5 ft-lb 239~1195 in-lb 276~1378 kg-cm	40~200 N-m 29.5~147.5 ft-lb 354~1770 in-lb 408~2041 kg-cm	68~340 N-m 50.1~250.7 ft-lb 602~3009 in-lb 694~3469 kg-cm
Resolution	0.01 N-m / 0.01 ft-lb 0.1 in-lb / 0.1 kg-cm	0.01 N-m / 0.01 ft-lb 0.1 in-lb / 0.1 kg-cm	0.01 N-m / 0.01 ft-lb 0.1 in-lb / 0.1 kg-cm	0.1 N-m / 0.1 ft-lb 1 in-lb / 1 kg-cm	0.1 N-m / 0.1 ft-lb 1 in-lb / 1 kg-cm	0.1 N-m / 0.1 ft-lb 1 in-lb / 1 kg-cm
Data Memory Size	250	250	250	250	250	250
Communication	Yes	Yes	Yes	Yes	Yes	Yes
Bright LED	12 LED (2 Red+10 Green)	12 LED (2 Red+10 Green)	12 LED (2 Red+10 Green)	12 LED (2 Red+10 Green)	12 LED (2 Red+10 Green)	12 LED (2 Red+10 Green)
2 operation Modes	M1: QC mode M2: Torque measurement mode					
Torque display (M1 mode)	Peak hold	Peak hold	Peak hold	Peak hold	Peak hold	Peak hold
Torque display (M2 mode)	Peak hold / Track	Peak hold / Track	Peak hold / Track	Peak hold / Track	Peak hold / Track	Peak hold / Track
Unit Selection	N-m, in-lb, ft-lb, kg-cm	N-m, in-lb, ft-lb, kg-cm	N-m, in-lb, ft-lb, kg-cm	N-m, in-lb, ft-lb, kg-cm	N-m, in-lb, ft-lb, kg-cm	N-m, in-lb, ft-lb, kg-cm
Gear Teeth	36	36	36	36	36	36
Length (mm)	390	390	414	414	531	648
Weight (kg)	0.72	0.72	0.99	0.99	0.99	1.35
Button	5	5	5	5	5	5
Battery *4	AA X 2	AA X 2	AA X 2	AA X 2	AA X 2	AA X 2

Model	BVSE-QC-500PC	BVSE-QC-850PC
Accuracy *2	CW : ±2.5% CCW : ±3.5%	CW : ±2.5% CCW : ±3.5%
Square Drive (inches)	Round Head 3/4" Interchangeable	Round Head 3/4" Interchangeable
Head Type	Lever Type Ratchet	Lever Type Ratchet
Gear Teeth	48	48
Unit Selection	N-m, in-lb, ft-lb, kg-cm	N-m, in-lb, ft-lb, kg-cm
Max. Torque	500 N-m / 4424 in-lb 368.7 ft-lb / 5102 kg-cm	850 N-m / 7521 in-lb 626.8 ft-lb / 8674 kg-cm
Torque Measuring Range	25~500 N-m 221~4424 in-lb 18.4~368.7 ft-lb 255~5102 kg-cm	42.5~850 N-m 376~7521 in-lb 31.3~626.8 ft-lb 434~8674 kg-cm
Accuracy Guaranteed Range	100~500 N-m 885~4424 in-lb 73.7~368.7 ft-lb 1020~5102 kg-cm	170~850 N-m 1504~7521 in-lb 125.4~626.8 ft-lb 1735~8674 kg-cm
Resolution	0.1 N-m / 0.1 ft-lb 1 in-lb / 1 kg-cm	0.1 N-m / 0.1 ft-lb 1 in-lb / 1 kg-cm
Bright LED	12 LED (2Red + 10Green)	12 LED (2Red + 10Green)
Operation Mode	M1: QC mode M2: Torque measurement mode	M1: QC mode M2: Torque measurement mode
Torque display (M1 mode)	Peak hold	Peak hold
Torque display (M2 mode)	Peak hold / Track	Peak hold / Track
Data Memory Size	250	250
Communication *3	Yes	Yes
Length (mm)	954	1224
Button	5	5
Battery *4	AA X 2	AA X 2

Quality Control Inspection Interchangeable Digital Torque Wrench.

Model	BVSE-QC-1200PC	BVSE-QC-1500PC	BVSE-QC-2000PC
Accuracy *2	CW : $\pm 2.5\%$ CCW : $\pm 3.5\%$	CW : $\pm 2.5\%$ CCW : $\pm 3.5\%$	CW : $\pm 2.5\%$ CCW : $\pm 3.5\%$
Max. Torque	1200 N-m / 885 ft-lb	1500 N-m / 1106 ft-lb	2000 N-m / 1475 ft-lb
Torque Measuring Range	60~1200 N-m 44~885 ft-lb	75~1500 N-m 55~1106 ft-lb	100~2000 N-m 74~1475 ft-lb
Accuracy Guaranteed Range	240~1200 N-m 177~885 ft-lb	300~1500 N-m 221~1106 ft-lb	400~2000 N-m 295~1475 ft-lb
Resolution	1 N-m / 1 ft-lb	1 N-m / 1 ft-lb	1 N-m / 1 ft-lb
Operation Mode	M1: QC mode (Peak hold) M2: Torque measurement mode (Peak hold / Track)		
Bright LED	12 LEDs (2Red + 10Green)	12 LEDs (2Red + 10Green)	12 LEDs (2Red + 10Green)
Unit Selection	N-m, ft-lb	N-m, ft-lb	N-m, ft-lb
Length (mm)	1800	1800	1800
Square Drive (inches)	1"	1"	1"
Head Type	Interchangeable- Lever Type Ratchet Insert	Interchangeable- Lever type Ratchet Insert	Interchangeable- Lever type Ratchet Insert
Gear Teeth	48	48	48
Data Memory Size	250	250	250
Communication *3	Yes	Yes	Yes
Button	5	5	5
Battery *4	AA X 2	AA X 2	AA X 2
Operating Temperature	-10°C~60°C	-10°C~60°C	-10°C~60°C
Storage Temperature	-20°C~70°C	-20°C~70°C	-20°C~70°C
Humidity	Up to 90% non-condensing	Up to 90% non-condensing	Up to 90% non-condensing
Drop Test	1 m	1 m	1 m
Vibration Test *5	10G	10G	10G
Environmental Test *6	Pass	Pass	Pass
Electromagnetic Compatibility Test *7	Pass	Pass	Pass

