

No.555 Digital Impact Tester



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IMPACT TESTER  
Date 99. 8. 5  
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CHALPY JIS-K7111  
Hammer: 4.00J  
WR:21.410Nm a':149.3  
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Label:123QWE  
No. A B ak  
cm* KJ/m*  
1 9.3058 149.2 0.070  
2 9.3058 144.9 3.420  
3 9.3058 149.2 0.070  
4 9.3058 91.1 68.800  
5 9.3058 86.6 75.220  
Cancel No. 5  
5 9.3058 149.2 0.070  
-----  
Ave.2.6199 136.7 14.486  
Max.2.6199 149.2 68.800  
Min.2.6199 91.1 0.070  
Dev. 0.000  
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Printout example

APPLICATION

Modified version of conventional impact type impact tester using digital system to directly read impact value.

FEATURES

1. No error due to friction loss because of no pointer.
2. No personal error because impact strength value can be read directly.
3. Easy to read LCD display and built-in printer displays or prints out test results including average value, maximum value, minimum value and deviation.
4. Equipped with a printer which is convenient for string data.
5. Data can be transmitted to personal computer via RS232C output.

SPECIFICATIONS

Izod type

Model	DG-IB	DG-IB2
Testing method	JIS K7110, ISO 180	ASTM D256
Capacity (Hammer)	Please select one hammer (1) 1J (2) 2.75J, 5.5J* (3) 11J, 22J * *Using additional weight	Please select one hammer (1) 1J(10kgf-cm), 2J*(20kgf-cm) (2) 3J(30kgf-cm), 6J*(60kgf-cm) (3) 8J(80kgf-cm), 15J*(150kgf-cm) (4) 1.35J(1ft-lbf), 2.71J*(2ft-lbf) (5) 4J(3ft-lbf) (6) 13.5J(10ft-lbf) *Using additional weight
Lift up angle	150°	150°
Striking speed	3.5m/sec. ±10%	3.46m/sec. (11.35ft/sec.)
Electrical	AC100V, 1-P, 1A (Other voltages also possible)	
Dimensions	53(W) x 38(D) x 90(H)cm	
Net weight	Approx. 100kg	

Charpy type

Model	DG-CB	DG-CB2
Testing method	JIS K7111, ISO 179	ASTM D6110
Capacity (Hammer)	Please select one hammer (1) 0.5J, 1J* (2) 2J, 4J* (3) 7.5J, 15J* (4) 25J *Using additional weight	Please select one hammer (1) 1J(10kgf-cm), 2J*(20kgf-cm) (2) 3J(30kgf-cm), 6J*(60kgf-cm) (3) 8J(80kgf-cm), 15J*(150kgf-cm) (4) 1.35J(1ft-lbf), 2.71J*(2ft-lbf) (5) 4J(3ft-lbf) (6) 13.5J(10ft-lbf) *Using additional weight
Lift up angle	150°	150°
Striking speed	2.9m/sec. (0.5~4J) 3.8m/sec. (7.5~25J)	3.46m/sec. (11.35ft/sec.)
Electrical	AC100V, 1-P, 1A (Other voltages also possible)	
Dimensions	53(W) x 38(D) x 90(H)cm	
Net weight	Approx. 100kg	

Tensile type

Model	DG-TB	DG-TB2
Testing method	JIS K7160, ISO 8256	ASTM D1822
Capacity (Hammer)	Please select one hammer (1) 2J, 4J* (2) 7.5J, 15J* *Using additional weight	Please select one hammer (1) 1J(10kgf-cm), 2J*(20kgf-cm) (2) 3J(30kgf-cm), 6J*(60kgf-cm) (3) 8J(80kgf-cm), 15J*(150kgf-cm) (4) 1.35J(1ft-lbf), 2.71J*(2ft-lbf) (5) 4J(3ft-lbf) (6) 13.5J(10ft-lbf) *Using additional weight
Lift up angle	150°	150°
Striking speed	2.9m/sec. (0.5~4J) 3.8m/sec. (7.5~25J)	3.46m/sec. (11.35ft/sec.)
Electrical	AC100V, 1-P, 1A (Other voltages also possible)	
Dimensions	53(W) x 38(D) x 90(H)cm	
Net weight	Approx. 100kg	

Universal type (Izod & Charpy)

Model	DG-UB
Testing method	ASTM D256, D6110
Capacity (Hammer)	Please select one hammer (1) 1J(10kgf-cm), 2J*(20kgf-cm) (2) 3J(30kgf-cm), 6J*(60kgf-cm) (3) 8J(80kgf-cm), 15J*(150kgf-cm) (4) 1.35J(1ft-lbf), 2.71J*(2ft-lbf) (5) 4J(3ft-lbf) (6) 13.5J(10ft-lbf) *Using additional weight
Lift up angle	150°
Striking speed	3.46m/sec. (11.35ft/sec.)
Electrical	AC100V, 1-P, 1A (Other voltages also possible)
Dimensions	53(W) x 38(D) x 90(H)cm
Net weight	Approx. 100kg

Universal type (Izod, Charpy & Tensile)

Model	DG-UB2
Testing method	ASTM D256, D6110, D1822
Capacity	Please select one (1) 1J(10kgf-cm), 2J*(20kgf-cm) (2) 3J(30kgf-cm), 6J*(60kgf-cm) (3) 8J(80kgf-cm), 15J*(150kgf-cm) (4) 1.35J(1ft-lbf), 2.71J*(2ft-lbf) (5) 4J(3ft-lbf) (6) 13.5J(10ft-lbf) *Using additional weight
Lift up angle	150°
Striking speed	3.46m/sec. (11.35ft/sec.)
Electrical	AC100V, 1-P, 1A (Other voltages also possible)
Dimensions	53(W) x 38(D) x 90(H)cm
Net weight	Approx. 100kg