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Impact Testing Machines Model : Auto Impact-40 (ASTM)

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General Description :

FIE's Charpy pendulum Impact Testing Machine, Model : IT-40 (ASTM) serves for conducting Charpy impact testing according to ASTM-E23 standard to determine the behaviors of the metal especially of steel casting under impact stresses.

Features :

- Fully automatic machine easy to operate.
- For safety machine cover with enclosure which are having door interlocks so operator can works safely.
- High resolution encoder is fitted in machine which can read the absorbed energy less than 1J.

GUI Features :

- Touch screen HMI.
- USB output data logging.
- Thermal printer output.
- Manual operation via touch screen.
- Calibration features.
- New file creation.



Specifications :

MODEL	IT-0.5	IT-1.5	IT-30	IT-30 (D)	IT-30 (ASTM) Charpy Test	Auto Impact-30	IT-40 (ASTM)
Maximum Capacity	5 J	15 J	300 J/168 J	300 J/170 J	300 J	300 J/168 J	400 J
Max. Scale Graduation	0.05 J	0.1 J	2 J	0.5 J	2 J	0.5 J	2 J
Overall Size (Approx.)	0.5m x 0.3m x 0.52 m (H)	0.5m x 0.3m x 0.52 m (H)	1.1m x 0.45m x 1.65 m (H)	1.32m x 0.45m x 1.05 m (H)	1.4m x 0.5m x 1.9 m (H)	1.1m x 0.45m x 1.65 m (H)	1.4m x 0.5m x 1.9 m (H)
Net Weight (Approx.)	70 kg.	70 kg.	375 kg.	375 kg.	450 kg.	450 kg.	400 kg.

Standard Accessories

Izod Striker	1	1	1	1	-	1	-
Charpy Striker	-	-	1	1	1	1	1
Anvil	1	1	1	1	1	1	1
Self Centering Tong	-	-	1	1	1	1	1
Centering Gauge	-	-	-	-	1	-	1
Spanner Set	1	1	1	1	1	1	1
Instruction Manual	1	1	1	1	1	1	1

Optional Accessories :

- Caliper gauge checking V notch for Izod & Charpy.
- Templates for checking 10x10mm. cross section of Izod/Charpy test specimen.
- Depth notch gauge including V & U notch gauges for checking depth below V/U notch, angle and radius.
- Izod support for 0.450" dia Izod round specimen.
- Self centering tong for quick and accurate setting of Charpy test specimen.
- 'V' notch milling cutter.
- 'U' notch milling cutter.
- Guards & Covers (For IT-30 D, Auto Impact-30, Auto Impact-40).

FIE reserves the right to change the specifications without notice due to constant improvement in design.

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