PENDULUM IMPACT TESTER

Pendulum Impact Tester type IMPact 5 / 5.5 / 25 / 50

The IMPact 5 - 5.5 - 25 - 50 pendulum impact tester are designed for the determination of impact strength / resilience on standardized specimen and test bars made of plastic.

These instruments are suitable for carrying out tests in accordance with the following standards:

- ISO 179 and 180
- DIN 53435
- ASTM D 256 Methods A and B
- ISO 8256 and others

Pendulums in the energy range from 0.5 to 5 J or 0.5 to 5.5 J (IMPact 5 or 5.5) as well as from 0.5 to 25 J / 50 J (IMPact 25 / 50) can be used for impact tests according to IZOD, Charpy, Dynstat and tensile impact on different materials with different sample dimensions. Various sample supports and clamping devices for different standard specimen dimensions are available.

For the configuration of a test sequence, data acquisition and evaluation, a PC can also be used using a comprehensive WINDOWS® software.

Features / Equipment:

- Full hammer range, from 0.5 J to 50 J for Charpy, Izod, Dynstat and Tensile Impact testes
- Microprocessor with LCD-Display
- USB interface for PC (depending upon instrument configuration)
- Automatic hammer brake (optional)
- Built-in centering system for Charpy and Izod specimens
- Direct reading of absorbed energy and resilience at the impact (depending upon instrument configuration)
- Auto hammer detection
- User friendly Windows Software for the control and evaluation, including statistic
- Protection shield

Izod vice

Charpy vice

Tel. +49 / 89 / 89 79 61 03 - 0 • info@karg-industrietechnik.de

Technical data:

	IMPact 5	IMPact 5.5	IMPact 25	IMPact 50
Potential Energy [J]	5	5.5	25	50
Dimension				
Width [mm], approx.	690	880	1200	1200
Height [mm], approx.	700	950	1200	1200
Depth [mm], approx.	410	500	500	500
Weight [kg] [1)], approx.	70	140	220	500
Electrical data				
Rated Voltage [V]	100 - 240 V	100 - 240 V	100 - 240 V	100 - 240 V
Power frequency [Hz]	50 - 60	50 - 60	50 - 60	50 - 60
Nominal power [kW], aprox.	100	100	100	100
Phase (Nominal voltage) [ph]	1~	1~	1~	1~
Technical characteristics				
Testing methods:				
Charpy (ISO 179)	•	•	•	•
Charpy (ASTM D 6110)		•	•	•
Izod (ISO 180; ASTM D 256)		•	•	•
Dynstat (DIN 53435)		•	•	•
Tensile Impact (ISO 8256)	•	•	•	•
Tensile Impact (ASTM D 1822)		•	•	•
Units: metric / SI	•	•	•	•
Friction correction	•	•	•	•

1) without accessories