

Competence creates Confidence.



● Model no. H3018

## PENDULUM IMPACT TESTER

The pendulum impact tester enables testing across the entire spectrum of plastic impact testing, Charpy, Izod, impact and Dynstat in accordance with ISO and ASTM standards.

ISO 179

ISO 180

ISO 8256

ASTM D 256

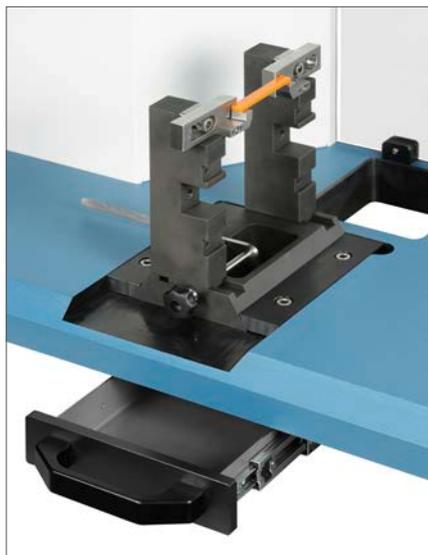
ASTM D 4812

Up to 50 joules



**Testing system, measurement technology and advantages**

- Optionally, the device can be extended to include automatic pendulum retrieval and sample loading.
- The pendulum impact testers are PC-operated as standard. The associated software allows convenient and intuitive measurement parameterisation, measurement execution and measurement evaluation.
- At the same time, the measurement sequence can be directly monitored and executed via the optional touch panel. The impact energy and all standard relevant results are displayed and saved immediately after each impact test.
- The results can be further used in the finished report format or in the complete raw data export.



● **CHARPY**  
ISO 179-1  
ASTM D6110



● **IZOD**  
ISO 180  
ASTM D256



● **DRUM**  
ISO 8256-A

**Standard features**

- |   |   |
|---|---|
| ● Automatic braking function                                | ● Speed measurement   |
| ● Automatic pendulum detection                              | ● PC connection and software                                    |
| ● Customised configuration                                  | ● Simple and accurate change of test setup                      |
| ● Optional optical pendulum detection                       | ● High impact energies up to 50 joules                          |
| ● Stable, low-vibration stand                               | ● Freely and continuously selectable starting angles            |
| ● Safe braking point at either the ascent or starting angle | ● Clear, intuitive and included in the device delivery contents |
| ● Complete raw data export and LIMS connection possible     | ● CE conformity   |

**Options**

- |                                 |  |
|---------------------------------|--|
| ● Integrated sample measurement | ● External cooling box temperature control |
| ● Notch milling machine         | ● Automatic sample feed                    |
| ● Automatic pendulum retrieval  | ● Partial enclosure                        |
| ● Full enclosure                | ● Optical pendulum detection               |
| ● Pneumatic sample fixation     | ● Motorised pendulum retraction            |

**Version**

Potential energy	J	0.2 to 50
Impact velocity	m/s	0 to 3.8
Encoder resolution	in °	0.0225
Automatic fall release		Yes
Weight	kg	300
Dimensions (W x H x D)	mm	1070 x 1078 x 431
Connection		230 V, 50/ 60 Hz, 2 kVA