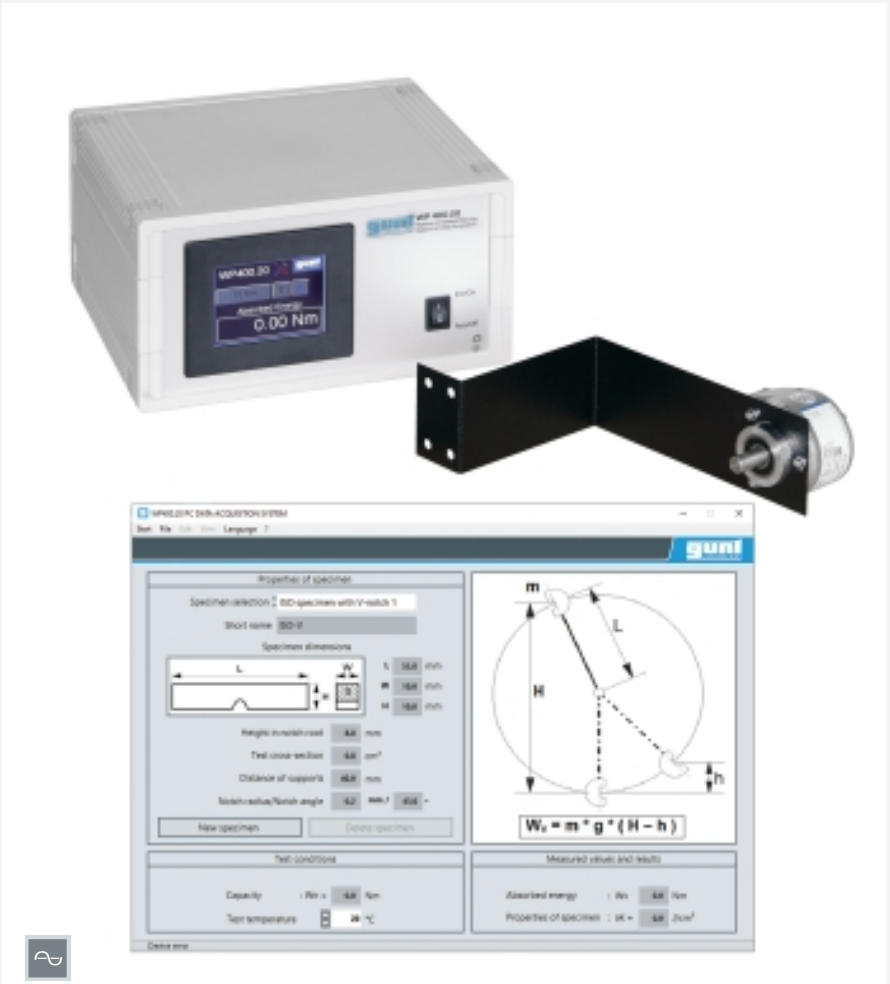
WP 410.20
System for data acquisition



Learning objectives/experiments

- support for the impact test in accordance with DIN EN ISO 148-1
- recording of the impact work-temperature curve

Specification

[1] data acquisition and support to the impact test in WP 410
[2] recording the angular position of the hammer via rotary angle sensor
[3] acquisition, processing and saving of measured values and series of measurements of notched bar impact energies
[4] support for all common ISO specimens
[5] other specimen sizes can be integrated
[6] GUNT software for data acquisition via USB under Windows 11

Technical data

230V, 50Hz, 1 phase
230V, 60Hz, 1 phase
120V, 60Hz, 1 phase
UL/CSA optional
LxWxH: 230x210x120mm (measuring amplifier)
Weight: approx. 2kg

Required for operation

PC with Windows

Scope of delivery

1 rotary angle sensor
1 measuring amplifier
1 GUNT software + USB cable
1 manual

Description

- **electronic data acquisition and evaluation for the impact test in WP 410**

This system for data acquisition is an addition to the experimental unit WP 410. The software facilitates the electronic measurement of the impact work during the impact test and evaluation of the results on a PC.

The system consists of a rotary angle sensor, which is mounted on the pendulum impact tester and records the angular position of the hammer, as well as a measuring amplifier with touch display, including a USB interface for connection to a PC.

Measured values are evaluated in the user-friendly software, so the impact work-temperature curve can be acquired, saved and printed out on a printer. In addition, a complete test log in accordance with DIN EN ISO 148-1 can be printed out. The instruction manual is integrated into the software as a PDF file.

All common ISO specimens are supported, adaptation to user-specific specimen sizes is also possible.

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Required accessories

WP 410	Impact test, 300Nm