

Falling weight tester › Model no. 1713

25 impacts per minute at a drop height of 2 m

Standards

| | |
|----------|-------------|
| EN 744 | ASTM D 2444 |
| EN 1411 | |
| ISO 3127 | |

Description

The falling weight tester is used to determine the external impact resistance of thermoplastic pipes using the staircase or round-the-clock method.

Simple and safe operation

- Convenient operation and clear visualisation via integrated touch display
- Two-hand operation when activating the test procedure to protect the operating personnel
- Test can only be carried out when the test chamber is closed

Reliable test results

- Precise weight positioning thanks to servo motor
- Automatic measurement and saving of falling speed on impact
- Evaluation of test results based on H50 value or TIR

Lasting efficiency

- High-quality unit components guarantee high reliability, a long service life and low maintenance costs

State-of-the-art technology

- High impact frequency of up to 25 impacts within 60 s (at a drop height of 2 m)
- State-of-the-art PLC
- Interface to IptDataLogging®

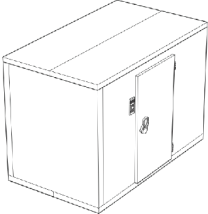
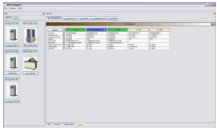


› Versions

| | V1713-0001 | V1713-0002 | V1713-0003 | V1713-0004 | V1713-0005 | V1713-0006 |
|----------------------------------------------------------|---------------------------------------------------------------------------------------------|------------|------------|------------|------------|------------|
| Max. drop height | 2 | 3.10 | 4 | 2 | 3.10 | 4 |
| Max. sample diameter | 710 | 710 | 710 | 1600 | 1600 | 1600 |
| Max. impact frequency per minute (dependent on operator) | 25 | 19 | 16 | 25 | 19 | 16 |
| Accuracy of height adjustment | ±10 | | | | | |
| Drop weights | Max. 16 | | | | | |
| Nose design | Depending on the applicable standards | | | | | |
| Lowest drop height without double impact | Typically 0.5 (dependent on sample) | | | | | |
| Speed error margin (typical) | >5% of the theoretical falling speed | | | | | |
| Operation/visualisation | Touch display | | | | | |
| Operation via IptDataLogging® | ○ | | | | | |
| Compatible with IptDataLogging® | From version 5.x | | | | | |
| CE conformity | ● | | | | | |
| Permissible ambient temperature | +5 to +30 | | | | | |
| Permissible relative humidity | Max. 70%, non-condensing | | | | | |
| Noise emission | <70 dB(A) at rest (Noise generated on impact of the drop weight depending on the sample) | | | | | |
| Width of tester | 980 | 980 | 980 | 2000 | 2000 | 2000 |
| Depth of tester | 800 | 800 | 800 | 805 | 805 | 805 |
| Height of tester | 4150 | 5250 | 6150 | 5100 | 6200 | 7100 |
| Width of control cabinet | 620 | | | | | |
| Depth of control cabinet | 460 | | | | | |
| Height of control cabinet | 1030 | | | | | |
| Voltage data | 230/400 V, 50/60 Hz (other voltages on request) | | | | | |

● included ○ available/optional □ eligible - not available

» Accessories

| Product | Description | Model no. |
|-----------------------------------------------------------------------------------|-----------------------------------------------|-----------------------|
|  | 0° tank/cooling cabinet | 1276 1633 H3026 |
|  | lptDataLogging® test data management software | 1613 |