

Model no. 1713

## FALLING WEIGHT TESTER



According to

ISO 11173

ISO 3127

ASTM D 2444

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

**EASY 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)
- > Modern PLC control
- > Interface to IptDataLogging®

VERSION FALLING WEIGHT TESTER BASE UNIT		V1713-0060	V1713-0061	V1713-0062	V1713-0070	V1713-0071	V1713-0072
		710	1,000	1,600	710	1,000	1,600
Max. sample diameter	mm						
Min. sample diameter	mm	20					
Type of doors		sliding doors			swinging doors		
Operation/visualisation		Touch display					
Operation via IptDataLogging®		+					
Compatible with IptDataLogging®		from version 5.x					
CE conformity		✓					
Permissible ambient temperature	°C	+5 to +30					
Permissible relative humidity	%	max 70 non-condensing					
Noise emission	dB(A)	< 70 at rest (Noise generated on impact of the drop weight depending on the sample)					
Width of tester	mm	1,650	2,250	3,860	980	1,280	2,000
Depth of tester	mm	730	730	825	670	710	800
Height of tester - falling height 2 m		4,140	4,280	4,980	4,140	4,280	4,980
Height of tester - falling height 3,1 m	mm	5,240	5,380	6,080	5,240	5,380	6,080
Height of tester - falling height 4 m	mm	6,140	6,280	6,980	6,140	6,280	6,980
Width of control cabinet	mm	640					
Depth of control cabinet	mm	460					
Height of control cabinet	mm	1,030					
Voltage data		230/400 V, 50/60 Hz * other voltages					

✓ included

+ available/optional

○ eligible

- not available

\* available upon request

VERSION FALLING WEIGHT TESTER STRIKE UNIT		V1713-0080	V1713-0081	V1713-0082
Max. drop height	m	2	3.1	4
Max. impact frequency (dependent on operator)	1/min.	25	19	16
Accuracy of height adjustment	mm	±10		
Drop weights	kg	Max. 16		
Nose design		Depending on the applicable standards		
Lowest drop height without double impact (typical)	m	0.5 (dependent on sample)		
Speed error margin (typical)		< 5% of the theoretical falling speed		

✓ included

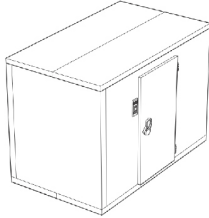

+ available/optional

○ eligible

- not available

\* available upon request

### VERSION FALLING WEIGHT TESTER

Product	Description	Model no.
	0° tank/cooling cabinet	1763 H3026
	Test data management software IptDataLogging®	1780