

The FD-1709 is a cost effective solution for testing impact resistance of sheet materials. Bench mounted or floor standing, with drop heights and darts for ASTM D1709 Methods A & B. Operation is by push button, and an optional touchscreen provides a standard operating procedure and test traceability. Impact resistance is expressed as the mass of a free falling dart that would cause failure of 50% of samples tested. A simple pass/fail procedure, combined with varying weights enables calculation of the resulting mass. A variety of factors can affect impact resistance including material thickness, uniformity of thickness, sample clamping, dart weight and drop height.

Procedure

The FD-1709 with optional built in touchscreen guides the user through the series of tests, and calculates the result on completion. The procedure starts with an initial weight, then on each test drop the outcome (break / no break) is recorded and the weight for the following test indicated, after the specified number of tests, the final result is displayed and saved. Without the touchscreen, tests are



EIGENSCHAFTEN

- Push button operation or optional digital touch screen panel which guides the user and calculates test results.
- Safe 2 handed operation of pneumatic sample clamp.
- Displays trend of results, next weight and final results.
- Manual sample counter, or touchscreen display of results.
- Conforms to ASTM D1709 and IS7765 for method A and method A & B.

TECHNISCHE DATEN

Power connection	230 V / 50 Hz
Compressed air connection	nein
PC connection	RS-232
Width / Diameter	50 cm
Depth	50 cm
Height	1320 cm
Weight (net)	70 kg

NORMEN

ASTM D1709
GB9639