

Competence creates Confidence.



Model no. 1800

METHYLENE CHLORIDE TESTER

The methylene chloride tester model 1800 is used for material testing of extruded profiles and pipes made of rigid PVC (e.g. pipes) in accordance with ISO 9852 or EN 580 and thus for assessing their behaviour when stored in pure methylene chloride (=dichloromethane).

EN 580

ISO 9852



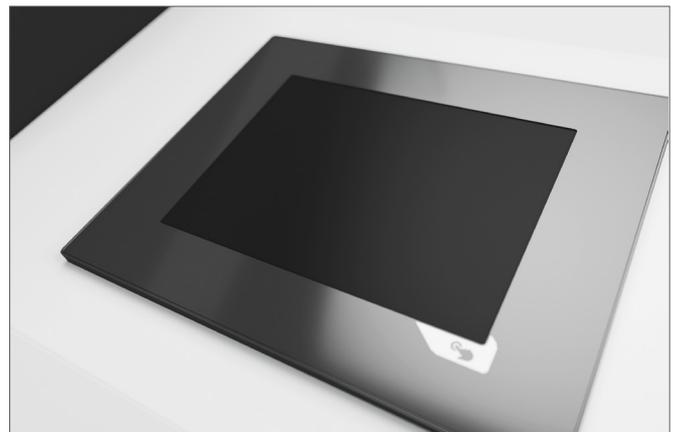
For profiles
and pipes made
of rigid PVC

Profiles and pipes safely tested

- During the test, the specimen is stored in pure methylene chloride on a machined surface (according to ISO, for 30 minutes at a temperature of 23 °C +2 °C). Particles should not be able to detach from its surface or the specimen and should not be able to disintegrate into pieces (visual inspection). Swelling and softening always occurs during this test and is not considered a fault.

Structure and mode of operation

- The device consists of an insulated stainless steel test tank with a heat exchanger attached to the base to control the temperature of the test medium, a circulation system to control the temperature of the heat exchanger and a control unit with a touchscreen. The temperature distribution in the test tank is ensured by a magnetic stirrer. The test medium is cooled via an integrated cooling unit.
- The filling level in the test tank is monitored via a float switch.
- The test tank contains the test medium with a layer of approximately 100 mm, which is insulated by a lighter layer of water (100 mm) on top of it, which means that no harmful vapours can escape.
- The specimen holder (table with perforated plate) is located in the test tank. The table is automatically lowered into the test medium after the specimen is introduced, raised to drip into the water layer after the test is complete and then lifted out of the water area to dry or drip off the harmful methylene chloride. The residual vapours are dissipated by a fan into the optionally available activated carbon filter. Only then is the lid opened and the specimen removed.
- The control accuracy in the test medium is +/- 0.5 °C of the preselected temperature. The temperature can be entered in a range of 10 - 30 °C, selectable in 0.1 °C increments, via the touch control. The touch display provides information about the current temperature. The touchscreen shows the respective operating statuses.



Standard features

- Compact design with stainless steel inner tank
- Integrated cooling unit
- Motorised lowerable specimen holder
- Automatic operating sequence procedure
- Optimised health protection due to an insulating water layer above the test medium, effective extraction and optional filter
- Touchscreen operation
- Constant test temperatures due to highly efficient water circulation and precise temperature control in the inner tank
- CE conformity

Options

- Filter with activated charcoal filter

Version METHYLENE CHLORIDE TESTER

V1800-0001

V1800-0002

		V1800-0001	V1800-0002
Temperature range	°C	10 – 20 Without heating	10 – 30 With heating (adjustable in increments of 0.1 °C)
Test medium		approx. 20 litres (26 kg) of dichloromethane CH ₂ Cl ₂ (not included) Density at 20 °C: 1.32 – 1.33 g/cm ³	
Permissible ambient temperature	°C	+10 to +35	
Permissible relative humidity	%	Max. 70 Non-condensing	
Test area length x width x height	mm	412 x 412 x 75	
Tester length x width x height	mm	910 x 745 x 644	
Weight	kg	Approx. 130	
Voltage data		230 V 50/60 Hz Special voltages on request	

Accessories METHYLENE CHLORIDE TESTER

Product	Description	Model no.
	Filter (optional)	V1800-0011
