

DIP TANK TS 500



FULFILLED STANDARDS AND REGULATIONS – TS SERIES

The TS series immersion columns enable standard-compliant testing of "electrical equipment inside an enclosure" against the effects of water ingress. The following standards and specifications for "water testing" can be met (IPX7 and IPX8). However, tests in accordance with IPX8 can only be carried out with the immersion column up to a maximum immersion depth of 1300 mm.

Standards	Included	Optional	Option
IEC 60529:1989 + A1:1999 + A2:2013	x		
ISO 20653	x		

STANDARD SCOPE OF DELIVERY – TS SERIES

The TS 500 mobile dip tank is equipped with 3 castors. This allows the dip tank to be moved easily around the laboratory when full or empty.

TS series	TS 500
Diameter of the dip tank [mm]	500
Height of dip tank [mm]	1400
Total height of dip tank [mm]	2100
Load capacity of the immersion platform [kg]	20
Support design	Perforated
Guide rollers on the platform:	6 items – all around to prevent tilting
Water capacity in the tank [litres]	270
Design of the dip tank	Mobile with 3 swivel castors incl. brake
Scale on the edge of the tank [mm]	0 – 1500
Recommended water change interval	min. every 2 months
Water colouring possible?	YES

STANDARD SCOPE OF DELIVERY – TS SERIES



Additional functions of the TS 500 dip tank:

- **Filling the dip tank using a hose from above or through the ball valve in the bottom of the tank**
- **Emptying the tank via a ball valve in the base of the column**
- **Manual raising and lowering of the immersion platform using a wire rope hoist (hand crank)**
- **Guiding the internal platform for holding the test specimen using 6 rotating rollers to prevent tilting**
- **Scale on the outer frame of the TS 500 for reading the immersion depth**
- **Any intermediate position can be approached using the wire rope hoist**

OPTIONS – TS SERIES

TSX7.OP-10 (14899) - Electric rope hoist for immersion column

- **Equipping the dip tank with an electric rope hoist instead of a wire rope hoist with hand crank**
- **Electric cable pull can be operated manually or automatically**
- **Automatic mode: The electric rope hoist automatically moves upwards after a set immersion time – the immersion time can be set in hours (h) and minutes (min)**

GENERAL ON-SITE REQUIREMENTS

Climatic installation conditions	TS series
Ambient temperature [°C]	10
Relative humidity max. [%] - non-condensing)	70

Water supply	TS series
Water quality	Municipal water with a minimum conductivity of 30 µS/cm
Water connection to system	Via ball valve (for filling and emptying)
Water hardness max. [dH]	6
Water temperature	15-25

NOTE

Subject to design and technical modifications in the interests of technical development. This applies to the entire technical description.

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VERSION

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