

TURNTABLE DT SERIES



STANDARD SCOPE OF SUPPLY – DT SERIES

The turntables of the DT series enable the positioning of the test item for all standard IP protection class tests. The turntables can be used for all cold water tests involving drip water, splash water and jet water. Furthermore, the turntables are suitable for hot water applications such as IPX9K tests.

Thanks to the reversing function, electrically powered test specimens can also be tested on the turntable. This prevents the cable from becoming tangled.

The table below provides an overview of the various sizes of the turntables. For very large and heavy test specimens, we offer the HD (Heavy Duty) version.

DT Series	DT 800 PRO (11813)	DT 1000 PRO (11814)	DT 1200 PRO (11815)	DT 1200 HD (13873)	DT 1500 HD (14476)
Diameter of the turntable [mm]	800	1000	1200	1200	1500
Load capacity of the turntable [kg]	200	200	200	1000	1000
Telescopic pull-out on the turntable	Yes			On request	
Diameter of the support on the telescopic slide [mm]	300				
Design of the support	perforated				
Load capacity of telescopic slide [kg]	80				
Height of telescopic pull-out above floor [mm]	1000–1450				
Height of turntable above floor [mm]	412	412	412	538	539
Turntable weight [kg]	90	105	135	210	260
Operating modes	Continuous / Positioning mode / Reversing mode				
Adjustable speed (without JIS option) [rpm]	0–5				
Freely adjustable angles for reversing operation [°]	+175° to -175°				
Adjustable values for positioning mode [°]	+175° to -175°				
Power supply	230V+N+PE / 50Hz				
Connected load [kW]	0,75				

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The turntable can be positioned freely within the room. The PRO version is mounted on castors for this purpose and can be aligned using levelling feet before use. The HD version is fitted with mounting points that allow the turntable to be positioned using a pallet truck or forklift. This version is also adjustet using levelling feet.



CONTROL – DT SERIES PRO

- The turntable is controlled via a 7" touch panel
- The panel and the PLC are installed in a compact control cabinet designed for wall mounting
- The connection cables to the turntable are 5 m long (longer lengths available on request)
- The wall-mounted cabinet should be installed in a dry area of the test room

Note: If the turntable is used in conjunction with one of ITS's other units (e.g. swivel tube system / tank module) for wet room solutions, the power supply is provided by that unit.



- The turntable can be operated in 3 modes: Continuous operation – Positioning operation – Reversing operation (for test specimens with an electrical supply)
- The speed and angles can be freely set on the display
- A timer allows the running time of the turntable to be set and can be used as a reference for a possible test duration



GENERAL ON-SITE REQUIREMENTS

Environmental installation conditions	DT series
Ambient temperature [°C]	10 - 30
Max. relative humidity [%] (non-condensing)	70



Example image of a complete room solution

OPTIONS FOR DT SERIES

Option number	Option	Checkbox
DT.OP-10 (11816)	EASY – Turntable control without touch panel	<input type="checkbox"/>
DT.OP-300 (14898)	Turntable attachment diameter 600 mm	<input type="checkbox"/>

A description of the individual options is provided below.

OPTIONS FOR DT SERIES

DT.OP-10 (11816) – EASY – Turntable control without touch panel

- **Easy version for simple applications**
- **Instead of the touch panel, the turntable is controlled via a potentiometer and a toggle switch**
- **The components are installed in a compact control cabinet**
- **The control cabinet is designed for wall mounting**
- **Reversing operation has fixed reversal points at $+175^\circ$ and -175°**
- **This version does not feature positioning mode**
- **In this version, the speed of the turntable is adjusted using a potentiometer**



DT.OP-300 (14898) – Turntable attachment diameter 600 mm

- **In addition to the support with a diameter of D300, a support with a diameter of D600 is supplied (the image illustrates the relative sizes)**
- **The load capacity of the support is 80 kg**
- **The two supports can be quickly swapped using a screw**



NOTE

We reserve the right to make design and technical changes in the interests of technical development. This applies to the entire technical description.

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VERSION

Version	Reason for change	Approved on	Approved by
2026	New entry	18 March 2026	MM