DUST PROTECTION (IP5X / IP6X)

Sand and Dust Test Chamber 12 m³ (TL-DST-12)

Model TL-DST-12 | IEC 60529 | ISO 20653 | IP5X / IP6X

DESCRIPTION

Chamber with a 12 m³ (3 × 2 × 2 m) working space for testing the dust protection of vehicle parts, electronic enclosures and outdoor equipment to IP5X and IP6X according to IEC 60529 and ISO 20653. Dry talc dust circulation, heated dust hopper and specimen under-pressure.



Image for illustration; configuration may differ

TECHNICAL FEATURES

- Working space 12 m³ (D 3 m × W 2 m × H 2 m); specimen rack ≤ 600 kg
- Dust concentration 2–4 kg/m³; air velocity ≤ 2 m/s
- Specimen pressure difference: 1.98 kPa below atmospheric (category 1) or none (category 2)
- SUS304 mirror stainless steel interior; tempered viewing window with wiper
- Fan over-current alarm, phase loss / sequence protection, automatic shutdown; 380 V, 3-phase, 50 Hz, 20 kW
- Temperature ambient +10 °C to +60 °C (heating and drying system); humidity ≤ 85 % RH
- Dust: dry talc passing a 75 µm square-mesh sieve; electric heating keeps the dust dry
- Dust blowing and vibration times adjustable 1 s – 999 h; automatic vibration returns the dust to the hopper
- TLI-TexLabInstruments touch-screen program control

APPLICABLE METHODS

IEC 60529
IP5X / IP6X dust protection

ISO 20653
Road vehicles – degrees of protection

SUPPLY AND SERVICE

- One (1) year warranty
- Installation, commissioning and operator training
- Remote technical support after installation
- Spare parts and service from Istanbul

WHY TLI-TEXLABINSTRUMENTS

- Control system and software by TLI-TexLabInstruments
- CE marked instruments
- ISO 9001 / 14001 / 45001 certified manufacturer
- Direct sales to 16 countries and the EU

Please note: Values refer to the standard configuration; room and chamber dimensions, electrical power and site requirements are given in the technical specification of the ordered configuration. Image for illustration; the delivered configuration may differ.

Specification and quotation

Send us your test specification and specimen details.

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Product page: www.texlabinstruments.com/en/p/txl-gen-031-sand-and-dust-test-chamber-tl-dst-12
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