



Electrical Test Site LV124

Description:

Test station for performing conducted electrical tests including temperature variation. Used for tests on electronic subassemblies with special requirements or for continuous tests lasting several days.

Technical data:

- Oscilloscopes up to 10 GS/s and 1 GHz analogue bandwidth
- (quiescent) current measurement in the μA range
- Potential-free switch with minimum switching time t_f approx. 10 μs
- Temperature cabinet with -40°C to $+180^\circ\text{C}$
- Isolation test with up to 5 kV AC or 6 kV DC
- Up to 1.9 kW DC supply (max. 64 V DC, max. 30 A)

Emission measurements according to standards, such as:

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|------------|---|
| ISO 7637-2 | Road vehicles - Electrical disturbances from conduction and coupling |
| VW 80000 | Electric and Electronic Components in Motor Vehicles up to 3.5 t - General Requirements, Test Conditions, and Tests |
| MBN LV 148 | Electrical and electronic components in motor vehicles - 48V electrical system Requirements and test conditions |

Immunity measurements according to standards, such as:

| | |
|-------------|---|
| VW 80000 | Electric and Electronic Components in Motor Vehicles up to 3.5 t - General Requirements, Test Conditions, and Tests |
| MBN LV 148 | Electrical and electronic components in motor vehicles - 48V electrical system Requirements and test conditions |
| ISO 16750-2 | Road vehicles - Environmental conditions and testing for electrical and electronic equipment - Part 2: Electrical loads |



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