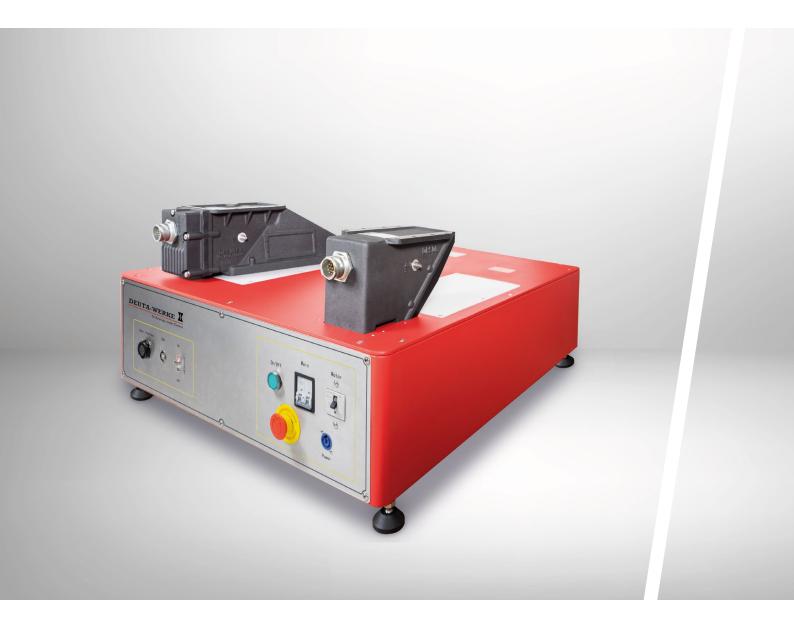
DEUTA Radar Test Bench RTD10 Test Bench for Doppler radar sensors«





Technology under Control



»DEUTA Radar Test Bench RTD10 -

Test Bench for Doppler radar sensors«

The RTD10 verifies the functional characteristics of DEUTA Doppler radar sensors independently and unaffected by weather conditions or external influences. It can perform tests on both DRS05 sensors with a standard housing and DRS05S1 sensors with an integrated protective cover. Upon completion of the examination, the test bench automatically generates the test result and creates a test report.

RTD10 Simulation of the moving ground

Doppler radar sensors are mounted on the under side of the vehicle and detect the speed based on the moving ground. Objects in the track bed and the timing of the positional changes of these in relation to each other form the basis for the speed capture.

Component testing in the Workshop

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The RTD10 Radar Test Benches are an important part of quality assurance. Testing of functions during and following maintenance and servicing measures ensure the correct function of the signal chain: Sensor— Recorder—Indicator.

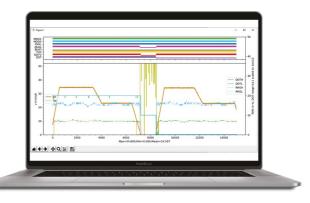
RTD10 Radar Test Benches for Railway Operators:

- System testing of replacement component parts
- Function testing of replacement components prior to installation in the vehicle
- Testing of components which have been in storage (incoming and outgoing goods)
- Error diagnosis of components in laboratory environments and maintenance workshops

Radar Test Bench RTD10

Feature/SpecificationRated supply voltage rangeAC 220 V to 240 VPower consumptionmax. 80 WTemperature range0 °C to +50 °C (operation) 0 °C to +50 °C (storage)EN StandardsEN 61010-1, EN 61326-1Fire protectionEN 61010-1Sound pressure level60 dB(A), 50 cm distanceLoad resistance13 kΩ, optionallySpeed rangeapprox. 2 km/h to 40 km/hSimulation driving directionforward, backwardTest methodfully automaticllyInterfaceRS485 / RS232 Pulse input with switchable pull-up		
Power consumptionmax. 80 WTemperature range0 °C to +50 °C (operation) 0 °C to +50 °C (storage)EN StandardsEN 61010-1, EN 61326-1Fire protectionEN 61010-1Sound pressure level60 dB(A), 50 cm distanceLoad resistance13 kQ, optionallySpeed rangeapprox. 2 km/h to 40 km/hSimulation driving directionfully automaticllyInterfaceRS485 / RS232	Feature/Specification	
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Simulation driving direction forward, backward Test method fully automaticIly Interface RS485 / RS232	Load resistance	13 kΩ, optionally
Test method fully automaticily Interface RS485 / RS232	Speed range	approx. 2 km/h to 40 km/h
Interface RS485 / RS232	Simulation driving direction	forward, backward
	Test method	fully automaticlly
	Interface	10 100 / 110202

Dimensions	
Width	765 mm
Height	266 mm
Depth	852 mm
Weight	approx. 53 kg
Protection category	IP 20



Radar Test Bench RTD10 3





resistance



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Radar Test Bench RTD10 | May 2023 | EN

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