



Universal Shielded Chamber CTD-Z10 for Mobile Phone Testing

Interference-free testing for all cellular networks. Simple coupling in 900-MHz band.

Anyone engaged in mobile phone testing is only too familiar with problems such as getting hold of a suitable RF adapter or keeping RFI away which would otherwise falsify the measurement results.

CTD-Z10, consisting of a coupler and a shielded chamber, is the solution to these problems. As an alternative to coupling via various manufacturer-specific adapters, the RF connection between mobile phone and test set can be made in the 900-MHz band via a single universal antenna coupler. Moreover, the shielded chamber ensures constant and defined test conditions which without protective measures against external radio fields – eg caused by neighbouring base stations – are usually not given.

With its excellent shielding characteristics both in the 900-MHz band and in all other frequency bands of cellular mobile radio, CTD-Z10 is the ideal accessory not only for the Go/NoGo Tester CTD-52, but for all digital and analog radio testers from Rohde & Schwarz.



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The shielded chamber of CTD-Z10 provides sufficient space for accommodating all customary analog and digital mobile phones. The antenna of the phone to be tested is connected to the coupler via a spring clamp. To achieve reproducible results, the coupler can be fixed to the chamber base. The radio-specific attenuation factors can be determined through calibration.

As an alternative to the antenna coupler supplied, the mobile phones may also be connected via manufacturer-specific couplers or cables with connectors.

Specifications

Shielded chamber

Shielding effectiveness in all bands of cellular mobile radio

Material

>50 dB
aluminium, interior lined with foam mats

RF connector

Dimensions (W x H x D)

Weight

N female (connecting cable supplied)
480 mm x 325 mm x 145 mm
3.4 kg

Antenna coupler

Frequency range

Coupling

Mech. connection phone – coupler

Dimensions (W x H x D)

Weight

900-MHz band
typ. 6 dB
antenna clamp
170 mm x 80 mm x 60 mm
0.3 kg

Ordering information

Order designation

Universal RF Shielded Chamber with antenna coupler for mobile radio

CTD-Z10

1084.0003.02

Equipment supplied

shielded chamber, antenna coupler, cable for internal connection between coupler and shielded chamber, cable for external connection between shielded chamber and test set, operating manual

Certified Quality System

ISO 9001

DQS REG. NO 1954-02



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