



raditeq

Data Sheet

Essential

Series

# RadiCentre<sup>®</sup>

Compact Test System

Model - CTR2001E

Flexible

High Speed

Compact



# RadiCentre® CTR2001E

## Compact Test System

Flexible High Speed Compact

The CTR2001E is a RadiCentre® compact test system, designed for applications where a small footprint and simple system integration are essential. This compact unit supports one instrument slot.

Like other RadiCentre® modular test systems, the CTR2001E supports a wide range of single-slot instruments from Raditeq, including signal generators, coaxial switch cards, and E-field probes.

The CTR2001E features both USB and LAN (Ethernet) interfaces, offering flexible control options. USB enables a simple direct connection for local operation, while Ethernet allows remote control and easy integration into automated test environments. With Power over Ethernet (PoE) support, both power and data can be delivered through a single cable—simplifying installation and reducing cabling.

**Fast Measurements** | The RadiCentre® CTR2001E enables high-speed data communication via USB or Ethernet. The installed instrument is directly accessible, allowing fast data throughput, quick configuration, and efficient automated testing. PoE further streamlines setup by combining power and data in a single connection.

**Flexible** | The single slot of the RadiCentre® CTR2001E can be configured with one plug-in card to suit the application. Supported Raditeq plug-in cards include:

- RadiSense® : Laser-powered E-field sensors
- RadiGen® : RF signal generators
- RadiSwitch® : RF coaxial switch cards<sup>1</sup>

**Space saving** | With its compact form factor, the CTR2001E is ideal for portable systems, distributed setups, and space-constrained environments. By combining controller and instrument in a single unit—and leveraging PoE—additional cabling and rack space are minimized.

**Software support** | The CTR2001E can be fully controlled via RadiMation® EMC software over Ethernet or USB. It also supports integration with third-party software using standard command interfaces.



# RadiCentre® Technical Specifications

Performance		RadiCentre® CTR2001E
Number of slots in RadiCentre		1
Dimensions		
Height		71.5 mm
Depth		271.5 mm (excluding plug-in card)
Width		195 mm
Weight		1.4 kg (empty)
Environmental conditions		
Temperature range		10 °C - 40 °C
Relative humidity		10% - 90% (non-condensing)
Power consumption		
Supply voltage		12 VDC / PoE type 3 (PoE++)
Power consumption (maximum load)		36 W
Interfaces & cables		
Interface		USB, LAN
Connectors		USB-B RJ45 2.1 mm barrel jack (12 VDC, centre positive) 6.35 mm jack plug (interlock)
Cables included		Includes AC/DC power adapter. A country-specific IEC C13 mains cable is supplied based on the destination country.
Safety		
Interlock		6.35 mm jack plug
Supported plug-in cards		
RadiSense®		Raditeq's advanced range of laser-powered E-field sensors
RadiGen®		Raditeq's advanced range of RF signal generators
RadiSwitch®		Coaxial switch cards engineered to seamlessly switch between one, two, or four RF signals
Warranty		
Warranty duration		3 Years

**RadiCentre® CTR2001E Dimensions**

The dimensions are specified excluding cables and connectors.

