



raditeq

Data Sheet



RadiCentre[®] 8

8-Slot Modular Test System

Model - CTR2008A

Flexible

High Speed

Extensible



RadiCentre® 8

Modular Multifunctional Test System

Flexible **High Speed** **Extensible**

The CTR2008A is the latest addition to the RadiCentre® modular test systems. This new system rack is intended for applications where high speed data transfer is required and supports up to 8 instruments in one rack.

Like previous test systems, this latest model supports all available instruments from Raditeq, including: signal generators, power meters, coaxial switch cards and E-field probes. When configured with eight RadiSense laser-powered E-field probes, the CTR2008A is ideal for high speed chamber calibrations and radiated immunity testing.

Typical applications | The international standard ISO11451-5: “vehicle test methods for reverberation rooms”, defines the measurement and calibration of E-fields at eight reference points in the reverberation room. The new RadiCentre® model CTR2008A is ideally suited to perform these measurements with the highest speed and accuracy.

The EN-IEC61000-4-3 standard requires a 16 point calibration to verify the field homogeneity in the anechoic chamber. When using one or even two CTR2008A modular system racks, each equipped with 8 E-field probes, these tests can be performed in a split second!

Fast measurements | The RadiCentre® model CTR2008A is equipped with a 1 Gigabit Ethernet interface. Each instrument installed in one of the eight slots has its own assigned IP address. This allows for direct communication with each individual device thus enabling fast data throughput and easy installation.



Laser safety | When the RadiCentre® is equipped with a LASER power supply plugin card(s) safety of the engineer is very important. The ‘ON’ and ‘OFF’ button on the front of the RadiCentre® 8 is there to ensure the operator’s safety and to prevent accidental activation of the laser power supplies in the RadiCentre®, the model CTR2008A is equipped with a laser ON/OFF button that must be pressed for a specified amount of time to activate the laser. During the activation process, an audible signal is generated to inform the user that the laser(s) are being turned ON. If the start button is pressed too short or too long, the laser will not start.

Closed loop interlock system | An interlock plug located at the rear of the RadiCentre can be utilized to deactivate all laser supply cards within the RadiCentre, in the event that the external interlock loop becomes disconnected.

Flexible | Each of the eight slots can be configured with different plug-in cards according to the user’s choice. The RadiCentre® systems can be configured with all available plug-in cards, such as:

- **RadiSense®** : LASER powered E-Field Sensors
- **RadiField®** : Integrated EMC immunity field generators
- **RadiGen®** : RF signal generators
- **RadiSwitch®** : RF coaxial switch cards
- **RadiLink®** : Analogue, fibre coupled, optical links

Space saving | In general; controllers, probes, switches and other instruments each occupy one or more slots in a 19-inch cabinet. The RadiCentre® system is efficient in its use of space, allowing up to eight instruments in just three height units (3HU). With the mounting kit supplied as standard, the RadiCentre® can be mounted in a 19-inch rack.

Software support | Using our RadiMation EMC software, all eight instruments in the RadiCentre® model CTR2008A can be controlled via the 1 Gigabit Ethernet interface. In addition, the RadiCentre® system can also be controlled by other software using the command codes as defined in the product manuals.

RadiCentre® Technical Specifications

Performance		RadiCentre® Pro CTR2008A
Number of slots in plug-in cards		8
Backplane		Intelligent versatile backplane
Model		Desktop or 19" rack mountable
Dimensions		
Height		132 mm (3U)
Depth		312 mm excluding rear panel
Width		19" (rack mountable)
Weight		Approx. 7 kg (empty)
Environmental conditions		
Temperature range		10 °C - 40 °C
Relative humidity		5% - 95% (non-condensing)
Power consumption		
Supply voltage		115 VAC / 230 VAC
Power consumption, standby		< 3 W
Power consumption, empty		33 W
Power consumption, maximum load		225 W
Interfaces & cables		
Interface		1 Gbit LAN
Connectors		6,35 mm jack plug (Interlock) ,RJ45 IEC C14 - female
Safety		
Interlock		6,35 mm jack plug connection to safety system disables Interlock & Interlocked laser outputs when triggered.
Plug-in cards*		
RadiSense		The LASER powered range of E-Field Sensors
RadiLink		The analogue optic fibre link
RadiField		Integrated EMC Immunity Test Solution
RadiGen		The range of RF signal generators
RadiSwitch		To switch one, two, four or six RF signals
Safety		
Warranty (²)		3 Years

1) Sold separately

2) Standard 1 year warranty. An additional two (2) years warranty will be added after product registration. Registration can be done at: <https://www.raditeq.com/product-registration>



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