

# MEDARIS MI-RS 912

Medical High Speed RS-232 Isolator with 4000V Isolation



- ▶ World first Medical certified RS-232 Isolator with 4000V Optical Isolation
- ▶ secures your System - Leakage Current, Surge and Overvoltage protection
- ▶ easy to install - Plug & Play and Port powered
- ▶ durable - none aging Parts and 5 Years Warranty
- ▶ optimal Signal Quality - Single Channel Design with Auto Data Correction

## Isolation + Patient Environment

The MI-RS 912 is the first Serial Port Isolator which is certified according to the EN60601-1-2. It has a reinforced Isolation of 4000V for 1 Minute, so it separates your applied Parts from other Devices.



The new MEDARIS MI-RS 912 Serial Port Isolator can be used for medical electrical Systems in order to reduce the leakage current and to isolate the applied Parts from the IT Devices. The MI-RS 912 protects your Devices against voltages surges, lightning strikes, GND loops and noise conditions. Due to Plug & Play support, there is no extra driver needed. The MI-RS 9012 only need less than 10mA Current from the RS-232 Port, so it has a very high compatibility to various Chipsets and Devices and it don't need any additional Power Supply. There is a high Speed optical Isolator installed inside of the MI-RS 912 so very high transfer rates up to 912600 bps are supported, too. It also reduce high frequency noise and interferences due to a special filter System.

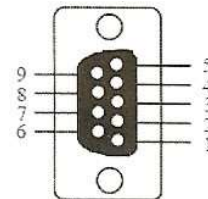
# Technical Data MEDARIS MI-RS 912

Description	MI-RS 912
Part Number	2000529
Isolation Type	optical Isolation
Isolation Voltage	5000V AC / 60 Seconds
Surge Protection	600W/Sec.
Static Protection	15KV ESD
supported transfer rate	300 to 912600bps
supported Cable length	up to 5m per each side
Input Connector	DB9 Female
Output Connector	DB9 Male
Communication Standard	EIA / TIA RS-232 Standard
Isolated Lines	TX, RX, GND
Ground Isolation	Yes
Flow Control	Auto-Turnaround Data Direction
Plug & Play	Yes, Auto-Configuration
Power Supply	not needed (Port powered)
Color	black
Power Consumption	less than 10mA
Dimensions	76.3x33.9x17.8mm (WxHxD)
Weight	35g
Housing	ruggedized ABS
Temperature Range	0°C to 40°C
Production Control	ISO 9001
Warranty	5 Years
Norms / Standards	CE, RoHS, EN60601-1-2:2007/AC2010
Mode of Operation	Continuous Operation
Defect Rate	less than 1% in 5 years
Scope of Delivery	Manual, RS-232 EMI Interference Filter Module

## Pin Layout MI-RS 912

### Female DB-9

Signal	TX	RX	GND
Pin	2	3	5



### Male DB-9

Signal	RX	TX	GND
Pin	2	3	5

