



For applications that require embedded USB isolation, the SealISO™ ISO-1-OEM is the ideal solution. The OEM single-port, inline USB isolator offers a simple method of protecting host and field equipment from damaging transients and surges commonly found in commercial, industrial and medical environments. The ISO-1-OEM protects both the data and power lines with 4 kV of medical-grade isolation between the host control system and connected USB equipment.

Supported in Microsoft Windows, Linux, and other USB aware operating systems, the ISO-1-OEM requires no separate drivers. The isolator is easy to install and is automatically recognized as a generic USB hub device. The ISO-1-OEM is a USB 2.0 compatible device connecting to the host over a high-speed link and features full-speed (12 Mbps) data rates between the downstream USB device.

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Features & Specifications

Wi-Fi 802.11b/g Modbus TCP to 96 Channel TTL Digital Interfacer

Part: 463W | **Model:** Seal/O-463W

Features

- Protects host and field equipment from damaging surges and transients
- UL Recognized in accordance with EN60601-1 3rd Edition requirements
- Features medical-grade 4 kV isolation, data, and power
- Powered by USB host connection; supports energy transfer with isolation
- Maximum of 1.1 A output current when connected to a high-power USB port
- Provides 300 mA to downstream USB devices when connected to standard 500 mA USB port
- Provides 500 mA to downstream USB devices when connected to 1 A USB port
- High-retention USB connectors prevent accidental disconnection of USB cable
- USB 2.0 compatible device supports full-speed 12 Mbps operation
- Supported in Microsoft Windows, Linux, and other USB aware operating systems
- Includes 1 meter USB type A to type B device cable (Item# CA539)
- Includes 1.3 meter USB type A male to USB type A high-retention female extension cable (Item# CA536)
- Compliant with CE, FCC, RoHS and WEEE directives

Specifications

Family	SealSO
Certifications	EN60601-1 3rd Edition, FCC, CE
Communications Chip	USB Hub
Dimensions	Enclosure: 7.6" (L) x 2.0" (W) x 1.1" (H) – 4.0" (L) w/o Mounting Ears
Humidity Range	10 – 90% Relative Humidity, Non-Condensing
Host Interface(s)	USB
Max Data Distance	5 M
Max Data Rate	12 Mbps (Device Connection)
Operating Temperature	-20°C to 60°C (-4°F to 140°F)
# of Ports	1
Power Requirement	USB +5V @ 200 mA (Max)
RoHS Compliant	Yes
Storage Temperature	-40°C to 85°C (-40°F to 185°F)
Upstream Isolation	4 kV Isolation
USB Specification	2.0 Compliant ; 1.0 Compatible