

# THE DATALINE SERIES

12-00034

rev\_1

## USB Isolator for Galvanic Isolation between PC and USB devices

### Features

- **Galvanic Isolation** of USB connections between a PC and USB device up to min. 2500 V
- **Transparent:** Can be integrated into USB connections without any changes in software. No drivers required
- Data transmission with **low-speed and full-speed protocol**
- IP40 protected, class 2, optional EN 60601-1-2
- Size (mm LxWxD) 92 x 55 x 28mm
- Suitable for: All types of interfaces using USB-A to USB-B.
- Galvanic isolation prevents damage to host computer and interfaces.



Specification	
Power Supply	Via USB-B female from host (+5V~350mA). Secondary power via DC/DC converter. Current of 350mA. A version of the device with external power supply/battery is available on request.
LED Display	LED green - Power available
Data transmission	Bidirectional, half duplex, master-slave. Low speed 1.5Mbit/s, full speed 12Mbit/s
Signal	Throughput time ~ 50ns, distortion ~5ns, Versatz ca. 1 ...3ns
Isolation Voltage	Min. 2500V
Response time	Host: USB-B Device/Secondary: USB-A
Size (mm)	92 x 55 x 28mm
Case	Ip40, class2

### USB Connectors

The most popular connector types for USB:



**USB Type A Connector**

Normally on PC/Hub side



**USB Type B Connector**

Normally on USB device side

### Designed and Manufactured by:

**Clearline Protection Systems (Pty) Ltd**

385 Roan Crescent Corporate Park North, Old Pta Road,  
Midrand, South Africa

P.O. Box 5985, Halfway House, 1685

Tel: +27 (0) 11 848-1100

Fax: +27 (0) 11 314-3880

E-mail: [info@clearline.co.za](mailto:info@clearline.co.za)

[www.clearline.co.za](http://www.clearline.co.za)

