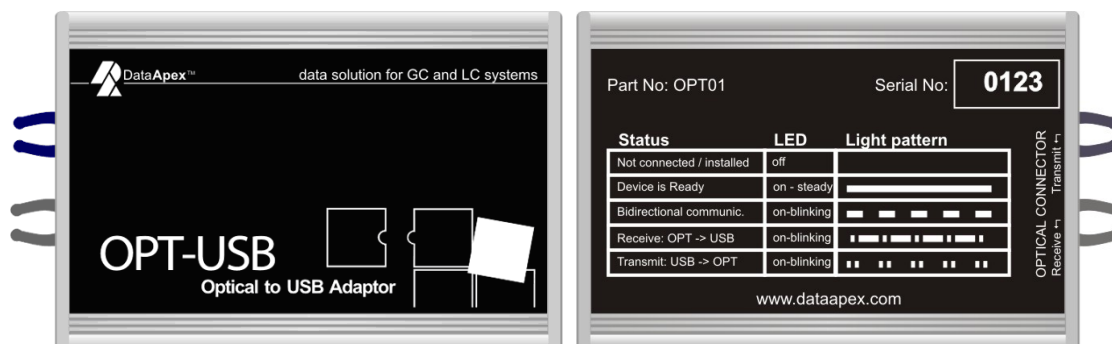# OPT-USB – Optical to USB Adaptor

The OPT-USB adaptor translates signals between an optical cable and a USB. The converter software emulates a COM port in the PC so that it can also be used as an optical to RS232 converter. It can be used to control devices via optical link communication.

OPT-USB front and rear views

After installing the drivers (within Clarity installation) and connecting to a USB port, the converter creates a virtual COM port in the PC. This can be used to control the respective device from Clarity.

OPT-USB indicates the current state of communication using a green LED situated next to the USB connector on the right side of the box. The patterns corresponding to individual states are indicated on the backside.

The devices currently supported by Clarity include:

- Shimadzu GC-14C gas chromatograph
- Shimadzu GC-17A gas chromatograph
- Shimadzu LC-10 AD HPLC pump
- Shimadzu LC-20 AD HPLC pump
- Shimadzu AOC-20 autosampler

Each OPT-USB Adaptor serves as an interface for one device, so multiple adaptors are needed to control more than one device. The OPT-USB adaptor package (p/n OPT01) consists of the OPT-USB Adaptor, 50 cm optical cable (p/n SK15), and USB A-A cable (p/n SK10). These cables are part of the package but can also be ordered separately.

Specification and requirements

Part number: OPT01

Max. data transfer rate: 115 200 Bd

Supply current: 30 mA (supplied from PC via USB port)

Dimensions: 55×40×15 mm

Weight: 45 g

Warranty:	3 years
Related products:	Clarity (p/n C50 – required)
	GC Control (p/n A23)
	LC Control (p/n A24)
Cable:	Optical cable for OPT-USB (p/n SK15)
	USB A-A cable (p/n SK10)

For more information contact sales@dataapex.com