



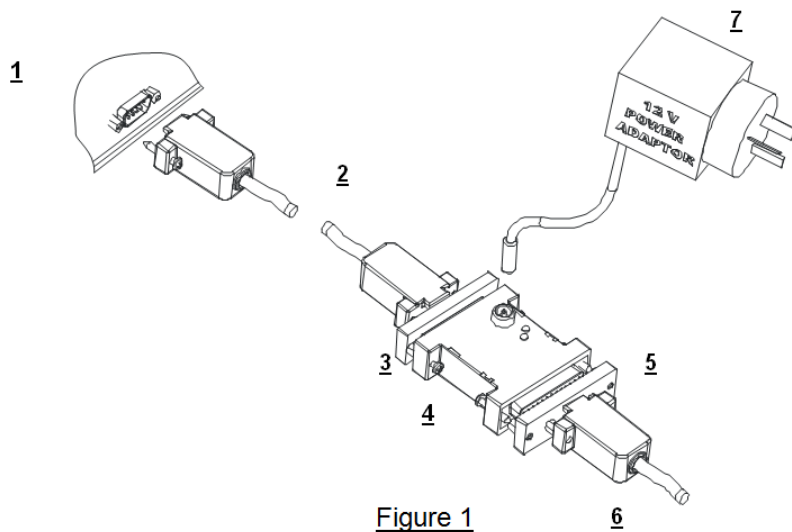
## 0085 RS232 Opto-Isolator

### Module Description:

General	RS232 – RS232/RS485 Opto-Isolated Converter
Isolation	Tested to 8kV on signal lines
LED	Receive (Red) Transmit (Green)
ESD Protection	Rated to 15kV on RS-232/485 signal lines
Baud Rate:	up to 115.2 k
Supply Current	greater than 100mA
Supply Voltage	6 to 12VDC (Requires external power (A1002*) other than when used with 2100 and 5000 series.) Plug pack not supplied.

The **Rinstrum 0085 Opto-Isolator** device is designed to protect Rinstrum indicator serial ports from ground loops. This is achieved by opto-isolating the three Signal Lines (Tx, Rx and CTS) as well as Ground. There is no electrical continuity from one side of the **0085** to the other.

### Module Connections:



- 1) Comms port of Rinstrum indicator
- 2) DB9 to DB9 cable
- 3) DB9 to DB25 adaptor (female)
- 4) Rinstrum 0085 Opto-Isolator
- 5) DB25 to DB9 adaptor (male)
- 6) Original DB9 cable to PC, Printer or Remote Display
- 7) +12VDC plug pack (Not supplied. Required if not using with 2100 or 5000 series)

Figure 1

DB 9	Signal	DB25
1	+12VDC (Indicator side only)	8
2	Rx RS-232	3
3	Tx RS-232	2
4	CTS RS-232	20
5	GND	7
6	Rx- RS-485 (Comms side only)	6
7	Rx+ RS-485 (Comms side only)	4
8	Tx- RS-485 (Comms side only)	5
9	Tx+ RS-485 (Comms side only)	22