

# RS485 to USB

## Communication Converter

Model: E205301

### Features

- Data transfer rates are from 300 baud - 3 Mbaud.
- The UART interface supports 7 or 8 data bits; 1 or 2 stop bits; and odd/even/mark/space/no parity.
- LEDs in the USB connector give a visual indication of transmitting and receiving.
- The cable is port powered – it doesn't require any external power supply.



### Easily Connect EIG Meters to a Computer's USB Port

The E205301 cable is an RS485 to USB serial converter that provides a fast, simple method to connect an EIG power meter with an RS485 interface to a computer with a USB port. Using this cable, you will be able to program a meter, view real time readings and download stored data to a PC using the meter's RS485 port.

Initially designed to work with EIG meters, this cable provides a standard RS485 two wire, half duplex interface which will also operate properly with most RS485 systems. Utilizing the downloaded driver, the USB will operate as a virtual Com port, which allows a user to communicate with the RS485 system as a standard PC serial emulation port.

#### RS485 to USB Specifications

Length: 16 feet / 5 meter cable

Operating Temperature: (-40 to +85) °C / (-40 to +185) °F

Operating Supply Current: Approximately 15 mA

RS485 side provided with bare, tinned wires

#### ESD

ESD Protection for RS485 I/Os

±15 kV Human Body Model (HBM)

±15 kV EN 61000-4-2 Air Gap Discharge

±8 kV EN 61000-4-2 Contact Discharge

#### Driver Support

Windows® 7 64-bit; Windows® XP, XP 64-bit; Windows® Vista, Vista 64-bit; Windows® Server 2003, Server 2008

#### Compliance

FCC, CE, and RoHS

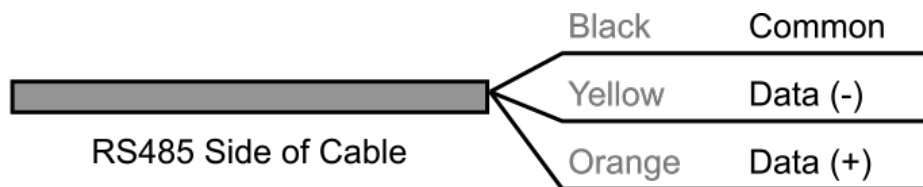


**Electro Industries/GaugeTech™**

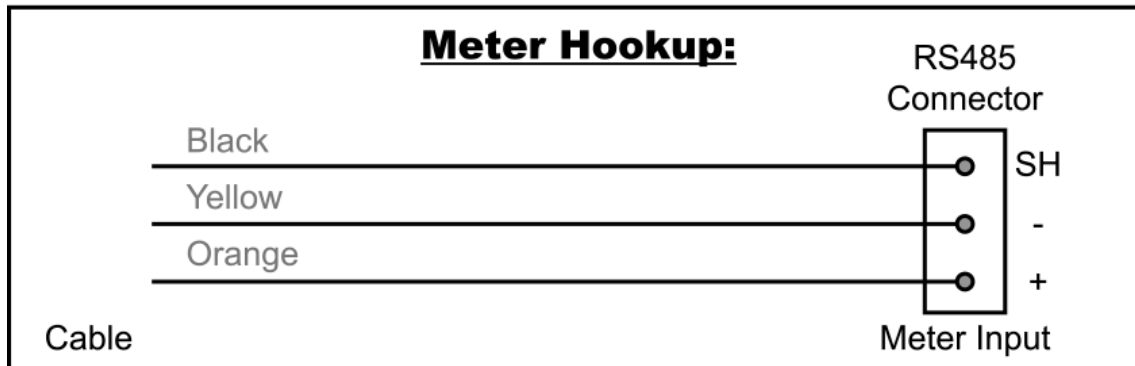
## To use the E205301:

1. **Download the E205301 driver** from the EIG website:  
[https://www.electroind.com/products/RS485\\_to\\_USB\\_Communication\\_Converter/drivers/CDM v2.12.00 WHQL Certified.zip](https://www.electroind.com/products/RS485_to_USB_Communication_Converter/drivers/CDM v2.12.00 WHQL Certified.zip).
2. **Connect the RS485** side of the cable to the meter's RS485 port, as shown in the figure, below.
3. **Connect the USB connector** to your device's USB port.

### RS485 to USB Communication Converter Wiring Diagram



### Meter Hookup:



### Ordering Information

Model: E205301

Call or email EIG to place order for immediate shipment.

### To Order Online

<https://www.electroind.com/product/rs485-to-usb-communication-converter/>



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