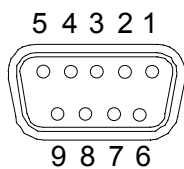


## Vaisala PTU200 barometric pressure transmitter

<b>Output quantities:</b>	Pressure ( Pa / bar / Hg / torr / mmH <sub>2</sub> O / psia ), relative humidity (%), temperature (°C/°F )
<b>Supply voltage:</b>	10...35 VDC, reverse polarity protected
<b>Serial output:</b>	RS 232C as a standard, RS 485/422 as an option
<b>Pressure measurement range:</b>	500...1100 hPa or 50...1100 hPa
<b>Humidity measurement range:</b>	0.8...100 % RH
<b>Temperature measurement range:</b>	-36...+60°C ( HMP45A-P ) -40...+60°C ( HMP45D ) -40...+60°C ( Pt100 sensor head )

## Wiring diagram



9-pin female sub D-connector

PTU200 series transmitters have as a standard a RS 232C and as an option a RS485/422 serial interface. Connect the RS 232C serial interface and a power supply according to the following pin assignment.

### Pin assignment for RS 232C/TTL serial output

PIN	SIGNAL
1	TX with diode
2	TX/TXD/TXD inverted
3	RX/RXD/RXD inverted
4	external power on/off control
5	ground for the RS 232C
6	
7	ground for supply voltage
8	
9	supply voltage (10...30 VDC)

### Pin assignment for optional RS 232C/485/422

PIN	SIGNAL
1	TX with diode
2	TX/TXD/TXD inverted
3	RX/RXD/RXD inverted
4	external power on/off control
5	ground for the RS 232C
6	RS 485/422 LO
7	ground for supply voltage and TTL level serial interface
8	RS 485/422 HI
9	supply voltage (10...30 VDC)