

Vaisala PTB100 series analogue barometers

Supply voltage:	10...35 VDC	
Output signal:	0...5 VDC	
Operating pressure range:	PTB100A	800...1060 hPa
	PTB100B	600...1060 hPa
Operating temperature range:	-40...+60C°	
Operating humidity range:	Non-condensing	

Wiring diagram

The PTB100 series barometers have five electrical terminals:

EXT.TRIG supply voltage control
 0 VDC shutdown state
 5 VDC operating state

AGND signal ground

GND supply ground

SUPPLY supply voltage

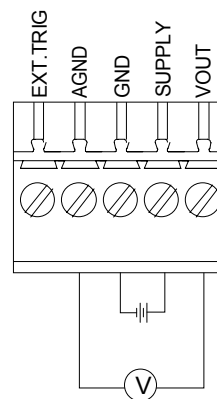
VOUT output voltage

Both grounds (AGND and GND) are in the same electrical potential in the barometer. Both three-wire and four-wire connections can be used; the four-wire connection must be used when the voltage drop in the supply ground line affects the pressure measurement accuracy.

In normal operating mode no connection to the EXT.TRIG terminal is recommended.

The barometers are protected against reverse operating voltage.

FOUR-WIRE CONNECTION



THREE-WIRE CONNECTION

