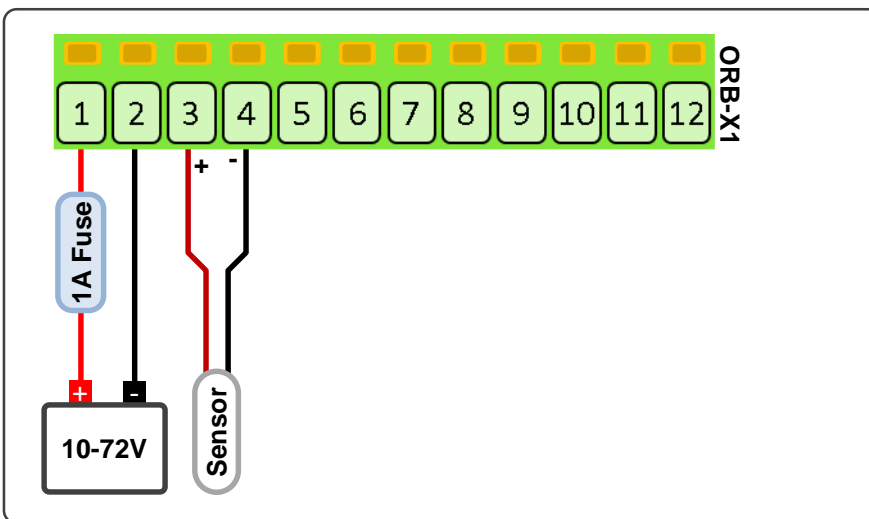


## TT001: 4-20mA Level Sensor

This technical tip shows how to connect a 4-20mA depth sensor to the ORB-X1. The ORB-X1 has two 4-20mA sources; each source provides 12V to the external sensor independently of the supply voltage.

### Sensor Parameters

Part Number	1032664
Type	Differential pressure sensor
Output	4-20mA
Calibration	4mA = 0m, 20mA = 5m
Cable Length	4m
Supplied by	New England Instruments



Setting (Current Source 1)	Value	Comment
Name	Fuel Tank 1	A meaningful name for the sensor data
Interval	1	1 means the sensor is sampled on every base interval
Always On	Disabled	Enable if the sensor needs to be permanently powered
Start Time	0.5	The time between powering and measuring the sensor
Hysteresis	4m	The amount by which the temperature needs to change to exit warning or alarm
Warning	Enabled	A warning will be issued if the level goes outside limits
Low Warning	2	The levels below which a warning will be issued
High Warning	8	The level above which a warning will be issued
Alarm	Enabled	An alarm will be issued if the level goes outside limits
Low Alarm	1	The level below which an alarm will be issued
High Alarm	9	The level above which an alarm will be issued
Calibration Low In	4	The datasheets specifies that 4mA represents 0m
Calibration High In	20	The datasheets specifies that 20mA represents 5m
Calibration Low Out	0	The datasheets specifies that 4mA represents 0m
Calibration High Out	5	The datasheets specifies that 20mA represents 5m
Calibration Unit	m	The unit of measure for the calibration; typically meters or litres