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provided by our company.*

WIRING & CALIBRATION

daviteq



PulseCAP10 Smart Fuel Level Sensor 4-20mA Output Version

Model Code: CAP10CNC... HW Ver: 1.0 FW Ver: 1.0

PIN ASSIGNMENT

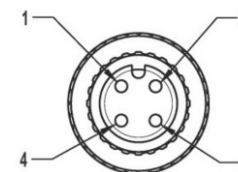
Pin 1 : V+,Positive supply voltage 8-44V.

Pin 2 : Current Output 4-20mA or Tx in setup mode

Pin 3 : V-,Negative supply voltage

Pin 4 : NC or Rx in setup mode

M12 Connector Sensor



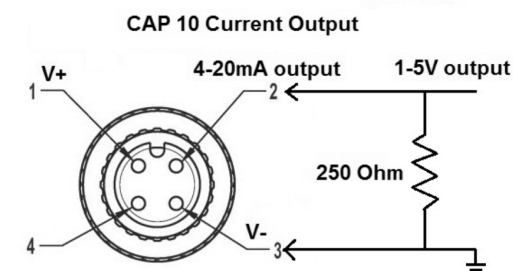
OUTPUT MODE - WIRING

Pin 1 : V+,Positive supply voltage 8-44V

Pin 2 : Current Output 4-20mA

Pin 3 : V-,Negative supply voltage

Pin 4 : NC Not connect



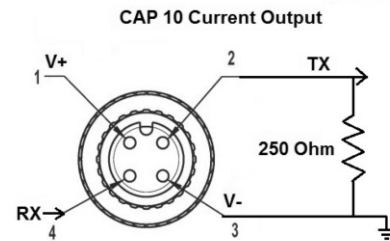
SETUP MODE - WIRING

Pin 1 : V+, Positive supply voltage 8-44V.

Pin 2 : TX, RS232 data Output.

Pin 3 : V-, Negative supply voltage

Pin 4 : RX, RS232 data Input.



This mode is for Advanced configuration.

Customer need a configuration cable: CAP10RS232-CM12CONFIG and Configuration software for PC.

FIELD CALIBRATION

PulseCAP10 with 4-20mA Output has an advanced feature is Field Calibration.

Field Calibration allows customers to calibrate the sensor after cutting. It will works with many non-conductive media such as Vegetable Oil, Non-standard Diesel, Light Fuel Oil...

To enter Calibration Mode: press the CALIB button on top housing 3 times, time interval between press not greater than 1.5 seconds. LED will blinked at 5Hz in Calibration mode.

PLEASE FOLLOW THESE STEPS IN ORDER:

1. GET ZERO - 4mA:

- After cutting, clean the probe, put the probe in the media at expected level near the bottom, or leave the probe at dry condition, press CALIB button in 0.2 - 3 seconds, the LED will always ON in this press time. ==> ZERO is achieved, output current = 4mA.

2. GET SPAN - 20mA:

- Put the probe in the media to the expected upper level then press CALIB button in 3-6 seconds, the LED will ON then OFF. ==> SPAN is achieved, output current = 20mA.

In 30 seconds without pressing the CALIB button, the sensor will turn back to OPERATION mode.

ADVANCED CONFIGURATION

This function will be updated in next version of document.