

C2020-B-CLS-070 Calibration and sensor cutting



Attach Programmer to probe

Calibrator:

Calibrator must couple the sensor. *(it has a 12v/23A battery inside)*

Red Light is power light. If the light isn't on when the unit is switched on then battery replacement is needed.

Green light is the calibration light. Full/Empty button is shown in the above picture.

Note: Calibration is necessary before using the sensor due to different fuel types. Calibration battery power could only be used for roughly 15 times. Please Change the battery when the red light becomes dark, indicating low battery.

Length adjustment and calibration:

The aluminum tube at the bottom can be shortened according to different requirements from the customer.

Follow the steps below.

- Customer specifies the sensor length according to the needs;
- Cut the unwanted part with a steel saw;
- Remove the burrs and the debris at the cutting area with a knife to avoid short circuit;
- Remove the plug, and assemble the rubber plug in the aluminum tube, then assemble the plastic bottom plug.
- [See Schematic on next page](#)

Calibration of the fuel level sensor:

Calibration must be carried out of the full level and the empty level.

Calibration of full level:

Fill the tank to the desired full level, put the sensor into the tank, wait for about 30 seconds until the aluminum tube of the sensor is filled with fuel, then press and hold on to the "F" button on the calibrator for 5 seconds until the Green LED slowly flickers, this indicates that the calibration for full level is in progress. Release the "F" button at this moment, the green LED light will turn off in about 10 seconds indicating that the calibration of the fuel level is complete.

Calibration of the empty level:

Remove the sensor from the container/tank.

Place the probe on the side vertically.

After the liquid has fully drained from the sensor, press and hold on to the "E" button for about 5 seconds until the green LED light starts to flicker fast, this indicates that the calibration for the empty level is complete.

Note:

If the wrong button is pressed during operation, you can switch off the calibrator and exit the mode and readjust. Please ensure the calibrator is turned on at all times during calibration and turned off after use.

Wiring sensor to C2020-B-CLS070

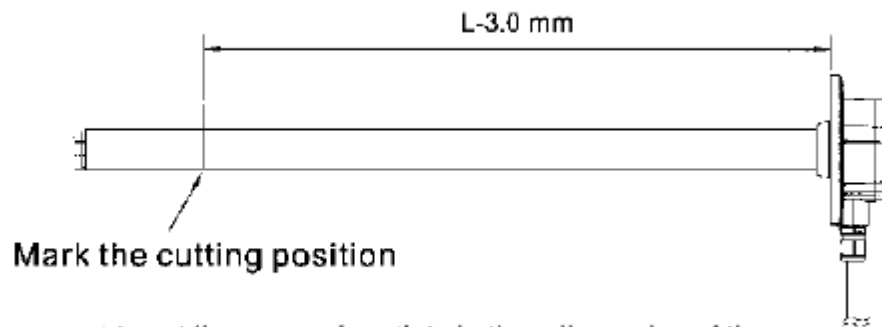
+24V **Red**

GND **Black**

Signal **Blue**

C2020-B-CLS-070 Schematic of OLE Sensor Cutting

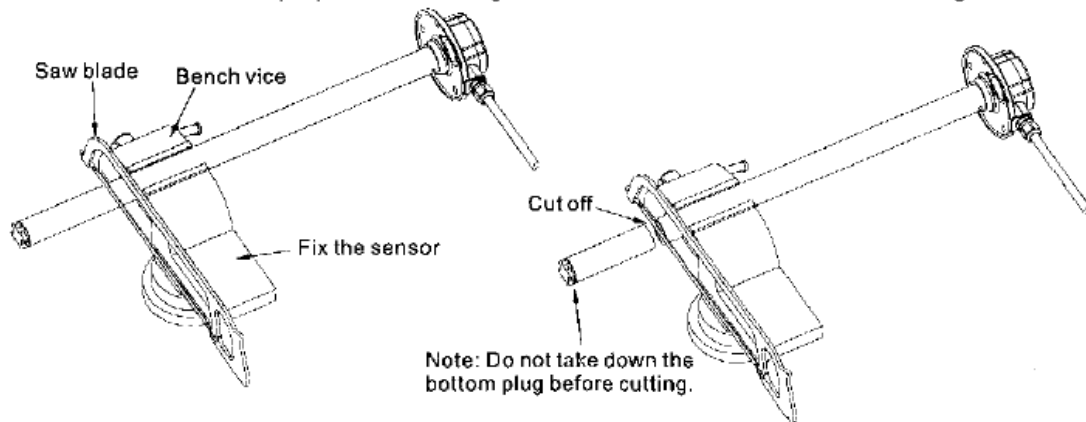
1



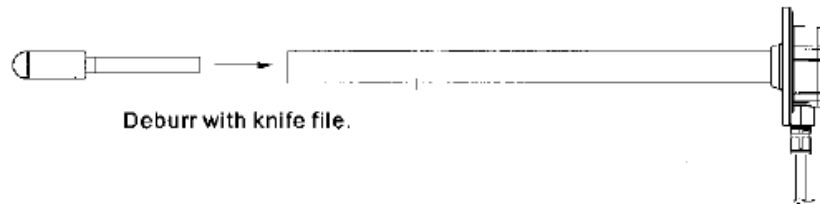
For example, if you want to cut the sensor length to L , then dimension of the cutting position is $L-3.0\text{ mm}$.

2

Fix the sensor with proper force, too big force will cause deformation of the casing tube.



3



Note: Inside of the tube should keep clean, burrs dropped into the tube must be cleaned, or else, there is a risk of blocking the oil drainage hole.

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