

ALBA Low and High Pressure Sensors and The ALBA Pressure Sensor Kit

The Low and High Pressure sensors replace the earlier dual range pressure sensor. The Low and High Pressure Sensors should be used with The Applications on Disk 4 which was released with version 1.5 of the ALBA core. This new version of the Applications Disk supports both the new and older sensors. The Investigator Meters also supports both the old and new sensors. Users requiring an upgrade for the pressure Applications on Disk 4 please contact djb microtech.

Low Pressure Sensor

The low pressure sensor measures 0 – 10 kPa gauge and is intended for use in the Pressure/Depth Application and with the Breathing Rate Applications on Biology Disk1.

High Pressure Sensor

The High Pressure Sensor measures 0 – 100 kPa gauge and is intended for use with gas law experiments.

The ALBA Pressure Sensor Kit consists of:

- a short length of tubing with small white connector,
- a long length of tubing with one end connected to an acrylic tube and the other connected to a white connector which mates with the small connector,
- a 20 ml syringe.

The short length of tubing should be connected to your pressure sensor.

For the Boyle's Law Application the syringe connects directly to the white connector on the end of the short length of tubing. Photographs of this are shown in the Application.

For the Pressure/Depth Application the connector on the long length of tubing connects directly to the connector on the short length of tubing. Photographs of this are shown in the Application.

The acrylic tube is for the Pressure/Depth experiment and it is recommended that the tube is mounted on a ruler using 'Blu-Tac' or equivalent.

Note: If in the future you have to reconnect the Tygon tubing to the clear acrylic tube then the Tygon tubing can be made easier to manipulate if it is first heated with a hair drier.

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