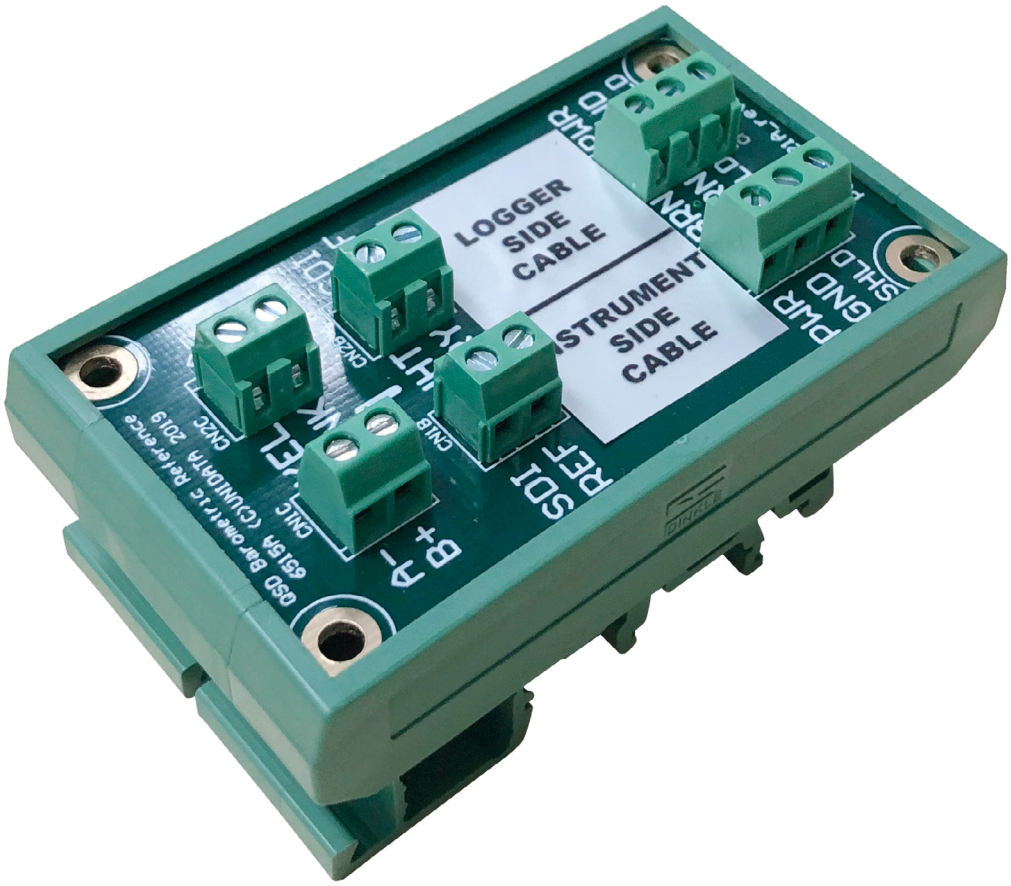
Streamline Measurement Ltd

Barometric Reference Module 6515



The 6515 is a barometric reference module which is used with the Starflow QSD SDI-12 instruments to correct the pressure sensor depth readings for atmospheric pressure variations.

The 6515 barometric reference is a module which is installed in line with a Starflow QSD Instrument to monitor the barometric pressure in the geographical location of the Instrument. With this module barometric compensation can be achieved for the depth sensor within the Starflow QSD instrument, so the depth sensor provides pressure, and derived depth readings which are corrected for differences in atmospheric pressure.

The 6515 barometric reference inbuilt electronic components communicate with the Starflow QSD instrument via a dedicated protocol providing regular atmospheric pressure readings. These values are then applied to the pressure sensor reading allowing the Starflow QSD Instrument to report the true depth reading.

An alternative to using 6515 barometric reference can be any other electronic barometer, which is read and then the depth readings are corrected for atmospheric pressure in another system, such as another data logger or an RTU connected to SCADA system.

Another alternative to this barometric reference could also be to consult the local weather service and obtain the current barometric pressure for the geographical location that the Starflow QSD Instrument is deployed and use those readings as depth compensation factor in an end system where the velocity and depth data is being stored.

SPECIFICATIONS

PRESSURE:	0 to 100 kPa
ACCURACY:	0.25% FS

INTERFACE:	Connection to Starflow QSD using dedicated one wire interface
MECHANICAL:	75mm x 45mm x 20mm

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