

Liquid Pressure Sensor Module



Liquid Pressure Sensor Module is a Smart IoT device based on Bluetooth Low Energy 5.0. Module is Designed to measure the Pressure of the Liquid flow in the system and analyze the System health. Module has external Pressure sensor with Current Output and Pressure Data can be sent over Bluetooth to Gateway for the Remote Monitor Application. Module supports Mesh Application to Connect to Multiple Sensor Nodes.

IoT hardware,
software and
smart product
development

Key Features:

- Arm®-based Cortex®-M4 Wireless MCU with BLE 5.0 Support.
- External Pressure Sensor with Current Output(4-20mA).
- Measurement range -100 kPa to +100kPa
- On Board SPI Flash for Pressure Data Storage.
- Chip Antenna for Effective Communication Range.



Mechanical specifications:

- Module Dimensions: 90mm x70mmx40mm (LWH)
- Enclosure Mounting provision: Wall mount and DIN rail
- Pressure mounting provision: R1/2 ISO7
- Sealed Enclosure: IP-65
- Weight: ~200 gram
- FR rated material

Specifications:

- Power Supply Operating Range: 4.3V~6V
- Bluetooth Specification: Bluetooth® 5.0 with Configurable Output Power
- On Board Chip Antenna for Long Range.
- Wide operating temperature range -30 °C to +85 °C



Measurement data:

- Pressure -100kPa to +100kPa
- Pressure can be measured in both positive and negative side up to 100kPa.

Contact Us

Offices : Bangalore | Ahmedabad | Dallas
Email : communication@kemsys.com
Phone : IND : + 91 86003 38049
USA : + 1 (210) 446 9171

www.kemsys.com