



Features:

- Pressure range : 0 - 10 bar
- Thread : 1/2" NPT or 1/4" NPT
- Accuracy : 0.5% full scale
- Stability : ≤ 0.2% full scale/year
- Sealing rating : IP65
- Working temperature range : -20°C ... 100°C
- Output signal : analog 0.5v - 4.5v @5v input

Power: LiSoCl non-rechargeable, 4000 mAh
 Deep sleep: 2.7 µA
 Transmit: 125 mA @20 dBm
 Receive 7.2 mA
 Estimated lifetime: 1.5 years, for interval of 1 transmission/hour

PRESSURE SENSOR

Device that measures the pressure of a fluid (liquid or gas) or the force applied on a surface due to the pressure of a fluid. It is a fundamental component in various applications across industries, manufacturing, etc.

Sensor implementations:



WTP/WWTP/
WATER SUPPLY



PUMP HOUSE



BUILDING (MALL)



INDUSTRIAL ESTATE



MANUFACTURER



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IOT
KREASI
INDONESIA



LoRaWAN Parameters

PARAMETERS	PRESSURE SENSOR
Communication Protocol	LoRaWAN
LoRa MAC Version	1.0.3
Device Type	Class A
Network Registration Way	OTAA, ABP
LoRaWAN Uplink Confirmation	Confirm or Partially Confirm
MCU	Arm 32-bit Cortex-M4
Memory	256 KB Flash; 64 KB RAM
ISM Bands	AS923, AU915, EU868
TX Power	Up to 22 dBm
Uplink Channels	8 settable channels with bandwidth of 125 kHz
RX Sensitivity	Down to -125 dBm@BW = 125 kHz, SF = 7
Spreading Factor	SF7 ~ SF10 (adaptive)
LBT (Listen Before Talk)	Yes

Electrical Parameters

PARAMETERS	PRESSURE SENSOR
Power Supply	3.6V (ER26500 8500 mAh)
Active Current	≤4mA
TX Current	≤127mA @ 22dBm
Battery Life	Up to 10 years
Battery Undervoltage Warning	Yes
MCU Temperature Monitoring	Yes
CPU Working Temperature	-20°C ... +85°C
Storage Temperature	-10°C ... +60°C

