

NP200G Cellular enabled remote monitoring device



This unit offers cellular connectivity to various sensors, flow meters, etc. The unit supports 2G,3G/4G and LTE networks and works globally with various cellular partners. Sensor values are periodically transferred to LCON site for customer web based applications. The LCON is secure web portal which gives customers multilevel access over the internet. Unit can be used as a stand-alone monitoring and control with built-in MODBUS protocol. Ideal for SCADA systems interface.



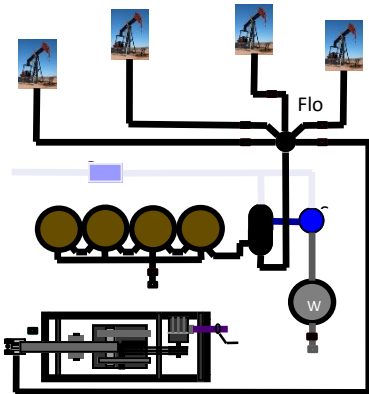
Bulk Plant



Backup Generator



Compressor Controls



Oil & Gas



Tank Levels



Water & Waste Water

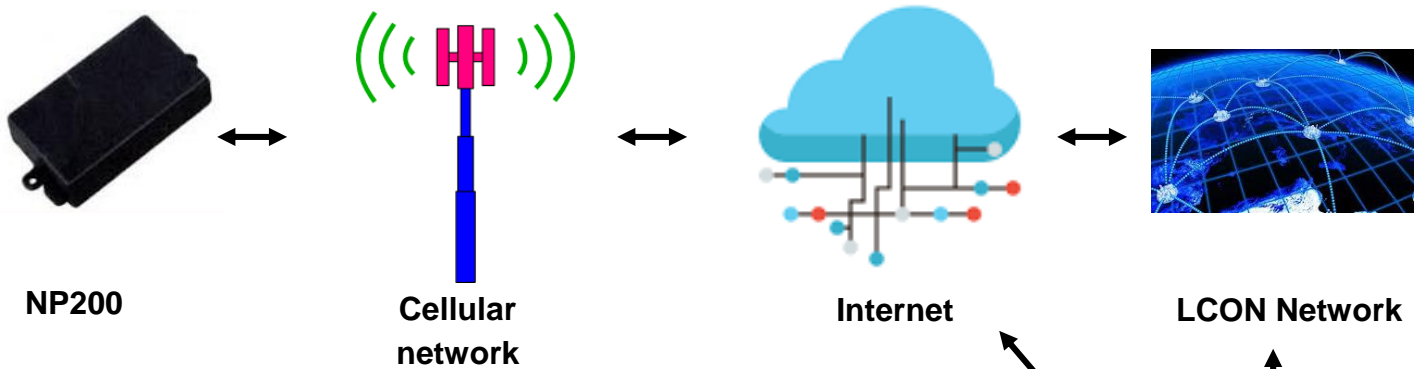
Typical applications

- Bulk plant liquid monitoring. Levels, flow rates, overflow protection, temperatures, pressures, etc.
- Backup Generator monitoring. Fuel, coolant and oil level monitoring, alarms, exerciser monitoring, remote control, modbus access to controls, etc.
- Oil & Gas well site monitoring. Gas flows, tank levels, overflow monitoring, injection chemicals, flare stack, pump monitoring with local and remote control, metering, site security, etc.
- Agriculture applications. Soil moisture content, water flow rates, pumps, generators, engines, etc.
- Gas Station monitoring. Fuel pumps, metering, tank levels, leak detection, CNG equipment, POS, etc.
- Water Meter monitoring. Residential and commercial water meters, residential and basement tanks and meters, distribution systems, pressure points, lift stations, pumping stations, remote tank levels, etc.
- Building cooling systems. Coolant water quality, chemical injection and mixers, Rust prevention, pump controls, ph meters, modbus enabled equipment, etc.

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- Cellular Site monitoring and control



Specifications

On-Board 2G/3G/4G/LTE Cellular radio

Battery power level
External Power level
Internal power 3.3 VDC
Internal Power 5.0 VDC
Sensor power 1 5.0 VDC
Sensor Power 2 16 VDC
Barometric pressure
Ambient temperature
Accelerometer

4 Digital Inputs
4 Digital outputs
RS485 with modbus protocol
On board GPS unit

5.0 – 15.0 VDC @ 120 mA supply power
12 VDC battery power with 8 AA cells
Low Power mode power 70 uA
Enclosure 130mm(l) x 70mm(w) x 60mm(h)

Nema 4, IP 68 enclosure for indoor or outdoor use
Enclosed in ex-proof conduit for C1D1 applications
Easy bottom battery access
Built-in magnet mounts
Flip tab enclosure mounting ears

