

Wireless Wellhead Monitoring and Plunger Lift Solution Using Wireless Multi-I/O Module



APPLICATION DRAWING

HIGHLIGHTS

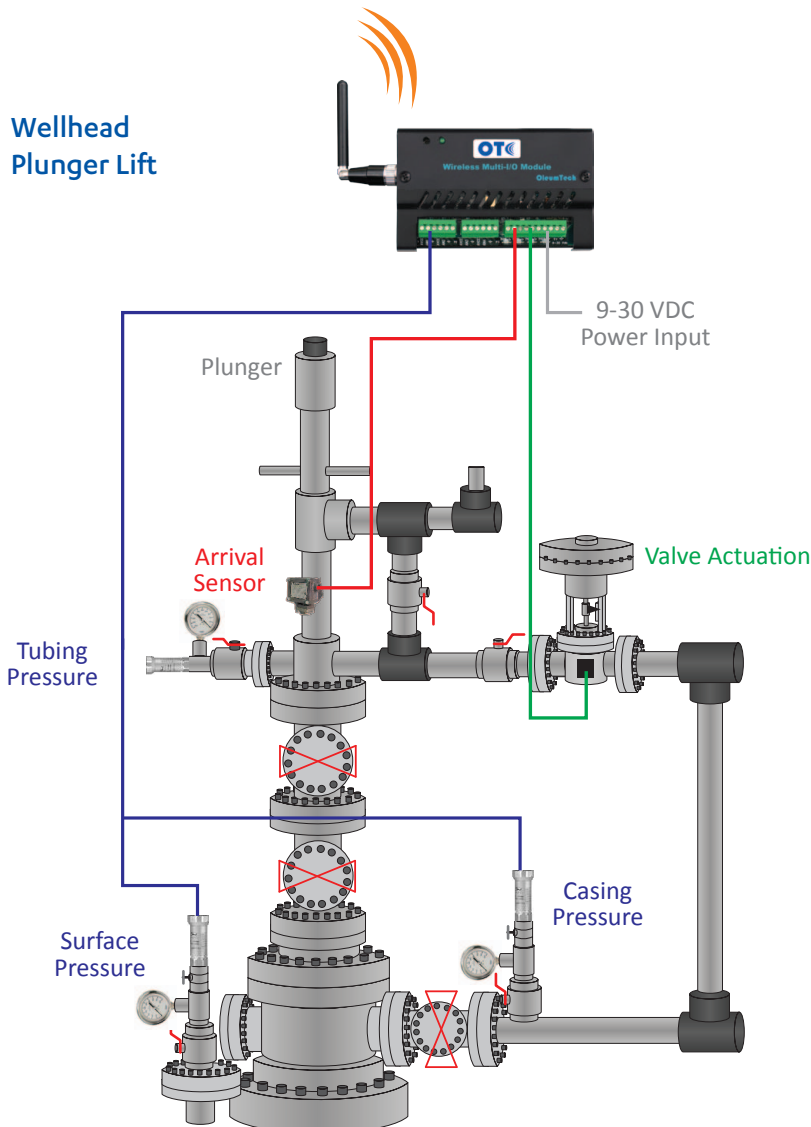
- Monitor casing, tubing, surface, and flowline pressure levels
- Monitor plunger arrival and keep count
- Enable valve actuation using discrete output(s)
- Ethernet or Serial connectivity to core data infrastructure
- Robust and secure RF network with high scalability
- Swift deployment
- 1 second minimum Tx update rate
- External 9-30 VDC power input



OTC Sensor Network

Robust, Scalable Wireless
Point-to-Multipoint
Peer-to-Peer
Secure AES Encryption
License-Free ISM Band

Wellhead Plunger Lift



Wireless Multi-I/O Transmitter WM-0900-002 / WM-2400-002

4x AI (4-20 mA or 0-10 VDC Pressure Sensors)
4x Configurable Discrete Channels for Supporting
Any Mix of Inputs and Outputs
(Arrival Sensor + Count
+ Valve Actuation via Interposing Relay/Solenoid)
RS485 Modbus Master
9-30 VDC External Power Input
Class I, Division 2

900 MHz Range: Up to 40 miles (64.4 km)
2.4 GHz Range: Up to 4.3 miles (9.2 km)
1 Second Minimum Tx Update