

MONITORING

Simplified



Fuel 1's V5– Revolutionizing Tank Level Monitoring

Tank Level Monitoring Made Simple & Affordable

V5 is a cutting-edge remote sensor designed to monitor fluid levels in oil tanks, providing precision data for upstream through downstream applications. V5 is a ground-breaking oil tank monitoring system exclusively engineered for the US oil and gas industry.

With a relentless focus on simplifying tank level tracking, V5 empowers companies to elevate profit margins, streamline operations, and foster increased customer loyalty.

Features:

- **NB-IoT+ Cat M1 Modem:** Utilizes advanced technology compatible with a variety of communication protocols.
- **Remote Monitoring:** Monitor even remotely located tanks for comprehensive coverage.
- **Quick Installation:** Easy setup, with installation taking just a few minutes.
- **Low Maintenance:** No regular maintenance required, with a battery life of up to 5 years, depending on configuration.

So simple, most installations are done by delivery drivers.

Fuel 1's V5

- **Automate:** Digitize your old, manual system– get rid of that dipstick!
- **Simple:** Installation is easy; any skill level, can install in 10 minutes.
- **Affordable:** First year 24/7 monitoring for less than the cost of a daily cup of gas station coffee (subsequent service as low as \$10/month)
- **Reliable:** No regular service required. Battery only needs to be changed every 3-5 years
- **Increased Efficiency and Profitability:** ROI in as short as 3 months. Enhance operational efficiency and boost profitability.



<https://fuel1.solutions>

Empowering Your Business with Intelligent Tank Level Monitoring

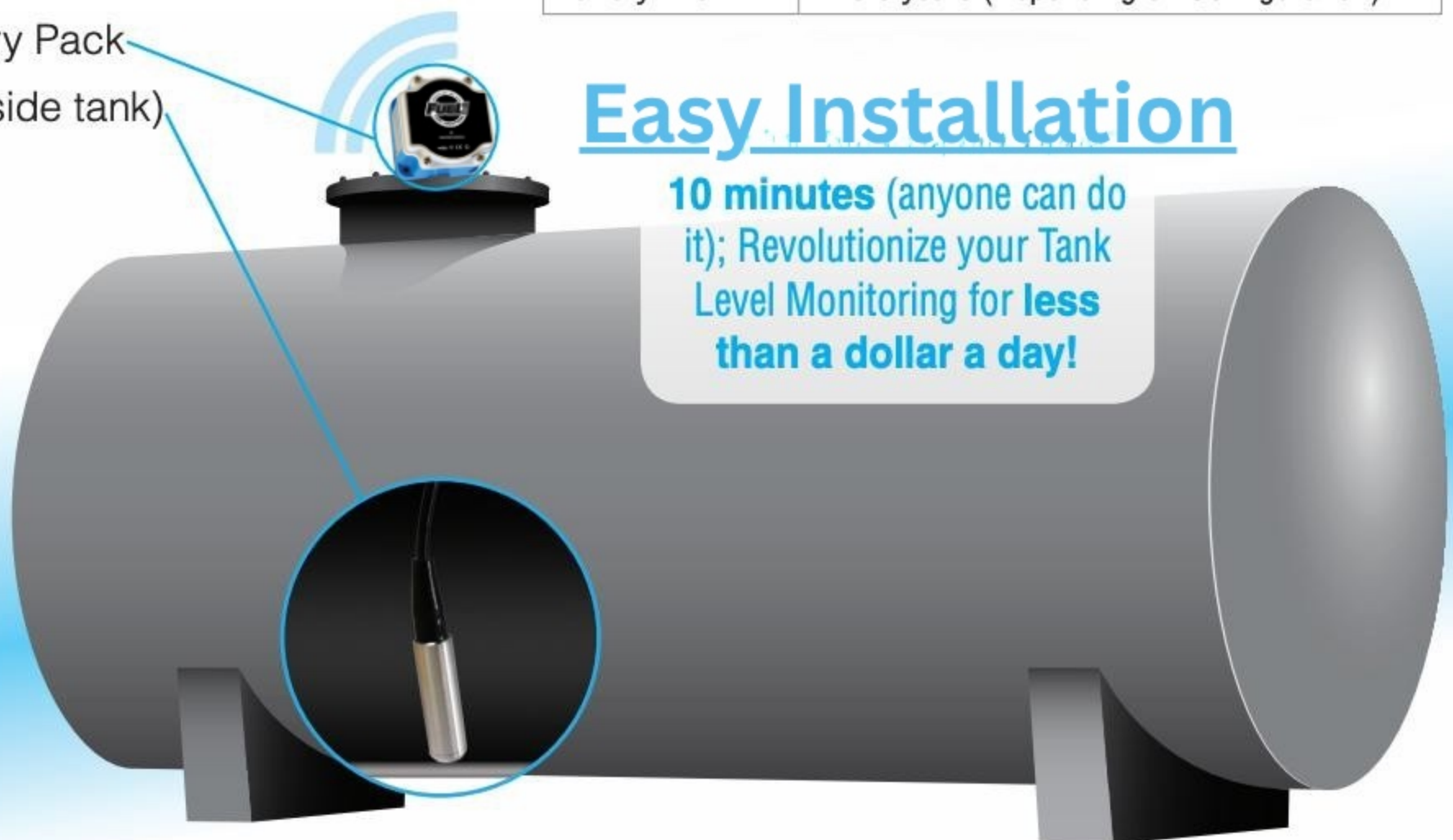
Technical Characteristics

- **Network Compatibility:** Compatible with cell carriers, WiFi, and satellite.
- **Sensor Precision:** Provides high-precision data on tank levels for accurate monitoring.
- **Compatibility:** Integrates effortlessly using API with any system and platform for versatile application, as well as through our robust proprietary platform.
- **Data Security:** Employs robust encryption methods to ensure the security of collected data
- **Scalability:** Adaptable for use in various tank sizes and environments for scalable deployment.
- **Timely Alerts:** Levels checked every 30 minutes, and sends notifications to the Cloud based on customer preference (typically twice a day). Level change alerts are also available.

V5 Specifications

Accuracy	±0.5% in Cylindrical/Rectangular Tanks
Operating Voltage	3.3 V
Temperature	-22° to 140° Fahrenheit
Processor/Speed	ARM Cortex-M0 Plus, 48MHz max
Chipset	Quectel BG95-M3
Modem	Qualcomm mdm9205
Networks	IoT LTE-M(Cat-M1) + NB-IoT 5G
Antenna	Internal
Cable Material	PTFE/PUR, 117" length (customizable)
Certifications	UL
Radio Approval	FCC
Transmission Interval	1 data packed every 12 hours when no tank level changes. 24 data packets maximum per day sending every 1-hour interval if tank level changes are detected continuously.
Telecom Radiofrequency	
LTE FDD	B1/132183/134/135/8 En 12/ B13/ B18/ B19/1320 /826/B28
LTE TDD	B39 (for LTE-M only)
EGPRS	850/900/1800/1900 MHz
LTE-M1	Max. 375 kbps (DL), Max. 375 kbps (UL)
CaTN13-IoT	Max. 32 kbps (DL), Max. 70 kbps (UL)
Battery	3.6v @ 8000mAh, Lithium-Thionyl Chloride
Battery Life	2 to 5 years (Depending on Configuration)

- Antenna Unit/Battery Pack
- Stainless Probe (inside tank)



Easy Installation

10 minutes (anyone can do it); Revolutionize your Tank Level Monitoring for **less than a dollar a day!**



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<https://fuel1.solutions>