NOSHOK

LTI20 SERIES RADAR LEVEL TRANSMITTER

RELIABLE, NON-CONTACT LEVEL MEASUREMENT FOR DEMANDING APPLICATIONS



COMPACT | PRECISE | FIELD CALIBRATABLE | FAST DELIVERY

The NOSHOK LTI20 delivers accurate, continuous, non-contact level measurement for liquids, viscous materials, and solids using advanced radar technology. It is engineered for industrial and mobile applications where reliability, safety, uptime, and optimized lifecycle costs are critical.

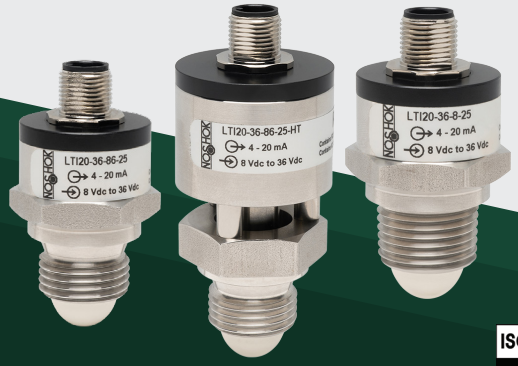
With field calibration capability, rugged design, and fast delivery, the LTI20 delivers total value - combining accuracy, durability, and low total cost of ownership for tanks, containers, and process systems where performance and reliability truly matter.

KEY BENEFITS

- **Reliability:** Stable, repeatable radar level measurement that is less affected by process conditions than many alternative technologies
- **Lower lifecycle cost:** Rugged 316L Stainless Steel construction, IP67 rating, and robust electrical protection help reduce maintenance and replacement frequency
- **Improved safety and uptime:** Non-contact measurement and dependable performance support safer operation and process visibility without intrusive sensing
- **Fast deployment:** Compact design, practical outputs, and field calibration capability help simplify installation, commissioning, and upgrades

COMMON APPLICATIONS

Food & beverage, specialty chemicals, aggregates & mining, general industrial, water & wastewater, pumping stations, agricultural machinery, mobile equipment, injection molding systems.



ISO 9001:2015 REGISTERED

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NOSHOK

LTI20 Series Radar
LeveL Transmitter

PERFORMANCE AT A GLANCE

- 60 GHz FMCW radar for accurate, continuous, non-contact level measurement
- Measurement range: 4 in to 300 in
- Accuracy: ±0.2 in; repeatability ≤ 0.079 in
- Beam angle: ±6° for focused measurement in compact vessels
- Response time: 4 s; settling time 1 s (IEC 62828-1)

BUILT FOR REAL-WORLD CONDITIONS

- Media temperature: -40 °F to 212 °F (100 °C) (standard), up to 302 °F (150 °C) (high-temp version)
- Ambient temperature: -40 °F to 212 °F (100 °C)
- Max operating pressure: 362 psi (25 bar)
- Housing: 316L Stainless Steel with PEEK measuring element and FKM seal
- Environmental rating: IP67 with RFI, EMI, and ESD protection
- Excellent shock and vibration resistance for mobile and high-vibration environments

EASY INTEGRATION

- Power supply: 8–36 Vdc
- Output options: 4–20 mA and 0–5 Vdc for flexible system integration
- Compact form factor for tight spaces and external mounting on plastic containers
- Field calibration capability for quick setup and on-site adjustment





THE LTI20 IS AN IDEAL CHOICE FOR

OEMs, **integrators**, and **end users** who need **radar performance**, **durability**, and **availability** in a compact package. It delivers the accuracy and reliability needed to protect uptime and safety – while remaining cost effective over the full lifecycle of the installation.

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