NOSHOK

LTI20 & LSE20 LEVEL SOLUTIONS

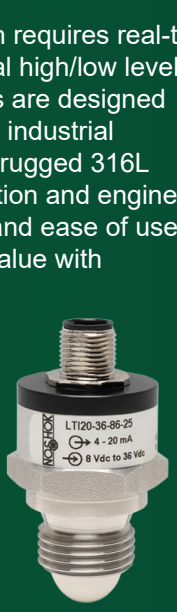
MEASUREMENT AND DETECTION BUILT FOR INDUSTRIAL PERFORMANCE



COMPACT | PRECISE | FIELD CALIBRATABLE | FAST DELIVERY

NOSHOK delivers complete level solutions with two purpose-engineered technologies: the LTI20 Series Radar Level Transmitter for continuous, non-contact measurement and the LSE20 Series Vibrating Level Switch for dependable point-level detection.

Whether your application requires real-time level monitoring or critical high/low level protection, both products are designed to perform in demanding industrial environments. Built with rugged 316L Stainless Steel construction and engineered for accuracy, durability, and ease of use, they provide long-term value with fast deployment and minimal maintenance.





From silos, tanks and vessels to pipelines and mobile equipment, NOSHOK level solutions help improve process visibility, protect equipment, and reduce total cost of ownership.

KEY BENEFITS

- **Complete solution coverage:** Continuous measurement and point-level detection for a wide range of applications
- **Reliability:** Proven technologies designed to perform in challenging conditions including foam, turbulence, and vibration
- **Lower lifecycle cost:** Durable construction and low maintenance requirements reduce downtime and replacement frequency
- **Fast deployment:** Compact designs, simple integration, and fast delivery keep projects on schedule

COMMON APPLICATIONS

Food & beverage, chemical processing, water & wastewater, general industrial, aggregates & mining, mobile equipment, agricultural machinery, pumping stations, injection molding systems

ISO 9001:2015
REGISTERED

LTI20 & LSE20
LEVEL SOLUTIONS

TECHNOLOGY OVERVIEW

LTI20 RADAR LEVEL TRANSMITTER

- 60 GHz FMCW radar for accurate, continuous, non-contact level measurement
- Measurement range: up to 300 in [25 ft]
- Accuracy: ±0.2 in
- Analog outputs: 4–20 mA, 0–5 Vdc

LSE20 VIBRATING LEVEL SWITCH

- Vibrating fork technology for reliable point-level detection
- Switching output: PNP digital signal
- Wide viscosity range: 0.1 to 10,000 cP
- Ideal for high/low alarms, pump protection, and overfill prevention

BUILT FOR REAL-WORLD CONDITIONS

LTI20 RADAR LEVEL TRANSMITTER

- Non-contact measurement unaffected by media properties
- Operating pressure up to 362 psi (25 bar)
- 316L Stainless Steel housing, IP67 rated
- High resistance to shock, vibration, and harsh environments

LSE20 VIBRATING LEVEL SWITCH

- Unaffected by pressure, temperature, foam, or turbulence
- Operating pressure up to 930 psi (64 bar)
- 316L Stainless Steel housing with optional Hastelloy C-276 wetted parts
- IP66/IP68 environmental protection for demanding applications

EASY INTEGRATION & APPLICATION FIT

LTI20 RADAR LEVEL TRANSMITTER

- Field calibration capability for on-site adjustment
- Compact design for tight spaces or external mounting on plastic tanks
- Ideal for continuous level monitoring in tanks, vessels, and mobile systems

LSE20 VIBRATING LEVEL SWITCH

- No calibration required - install and operate immediately
- NPT and Tri-Clamp process connections available
- Sanitary (CIP/SIP-compatible) options for hygienic environments
- Ideal for point-level detection, alarms, and equipment protection

THE LTI20 AND LSE20 SOLUTIONS ARE DESIGNED FOR

OEMs, integrators, and **end users** who need **reliable performance**, **fast availability**, and **long-term value**. From continuous measurement to critical level detection, NOSHOK delivers the right technology to keep your processes running safely and efficiently.

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