

LoopSeries LB 430

ENERGY EFFICIENT, LOOP POWERED

Innovative

SiPM technology with high mechanical and electrical robustness.

Sustainable

Loop-powered device with low power consumption.

User friendly

Quick and easy configuration and operation with software wizards.

Remote Display

Optional display module for process values and status information.

Reliable

Extensive self-diagnostics suited for preventive maintenance.

Protected

Protection at the highest level with all common Ex approvals.



TECHNICAL DATA & FACTS

LoopSeries LB 430

Detector

Applications	Level, Level Switch, Density
Power supply	14 to 28 V DC current loop 4 to 20 mA
Housing material	Stainless steel ISO 1.4404/AISI 316L or Aluminium
Ambient temperature	–40 to +60 °C (–40 to +140 °F) –40 to +100 °C (–40 to +212 °F) with water cooling Possible temperature restrictions for explosion protection
Temperature stability	≤ 0.5 % for –40 to +60 °C (–40 to +140 °F)
Max. count rate	2,000,000 cps
Water cooling for higher temperature	optional
Collimator for background suppression	optional
Analog output	4 to 20 mA potential-free, HART, max 500 Ω, passive
IP protection	IP66 (NPT 1/2"), IP68 (M20)
Explosion protection	ATEX, IECEx

Special Features

- X-ray Interference Protection (XIP)
- Continuously monitored current output
- Multiple software wizards for easy configuration and device operation
- Extensive self-diagnostics conforming to NE107
- Easy wiring due to loop-powered technology
- Up to 99% less energy consumption compared to externally powered devices
- Optional display module
- Software includes all applications