

optris CTi LTeX for applications in hazardous areas



Features:

- Two-piece measuring system with active electronic for evaluation and passive IR receiver (sensing head)
- CTi LTeX sensing head can be installed as passive element in hazardous areas
- Energy limitation with appropriate zener barriers (STAHL) with approval for zone 1 (PTB 01 ATEX 2053/ E II (1/2) GD [EEx ia/ib] IIC/IIB)
- Exchangable Sensing Heads with individual calibration Code as Head ID



Technical data (zener barriers) ¹⁾

Approvals: Type 9002/22-032-300-111 Type 9002/11-137-029-001	Europe (CENELEC): for zone 1: PTB 01 ATEX 2053X for zone 2: PTB 01 ATEX 2054X IECEx PTB 08.0057X
	USA: UL E81680V1S3
	Canada: CSA 1284580 (LR 43394)
Classes, Divisions and Groups	Europe (CENELEC): for zone 1: E II (1/2) GD [EEx ia/ib] IIC/IIB for zone 2: E II 3 GD EEx nA II T4
	USA: I.S. circuits for: class I, II, III, division 1, groups A, B, C, D, E, F, G I.S. circuits for: class I, zone 0, group IIC class I, division 2, groups A, B, C, D class I, zone 2, group IIC
	Canada: I.S. circuits for: class I, groups A, B, C, D; class II, groups E, F, G class III class I, division 2, groups A, B, C, D class I, zone 2, groups IIC
Installation	in zone 2, division 2 and in safe area
Environmental rating	IP 67
Ambient temperature	-20 °C ... 60 °C

Concept/Scope of delivery

Concept	Classification of the optris CTi LTeX sensing heads according to EN 60079-0/ EN 60079-11 (category of simple electrical devices) ²⁾
	Intrinsically safe by limitation of the energy with two zener barriers, type 9002/22-032-300-111 & 9002/11-137-029-001 (R. STAHL AG)
Scope of delivery	CTi LTeX – Sensor (optics 2:1, 15:1, 22:1) with cable length 3 m, 8 m or 15 m (selectable)
	Aluminum housing with mounting appliance for two zener barriers and CTi LTeX electronics
	2 zener barriers, type 9002/22-032-300-111 and 9002/11-137-029-001 (R. STAHL AG) ³⁾

¹⁾ Declaration of company R. Stahl AG

²⁾ Verification by the operator

³⁾ NOTE: The functionality and correct reading of the CTi LTeX sensor can only be guaranteed if the recommended barriers are used



