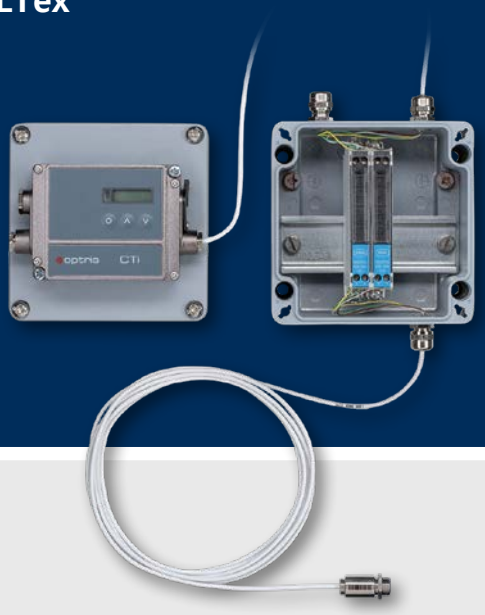
optris CTi LTex
TECHNICAL DATA

optris infrared measurements

위험 지역에서 사용가능한 방폭형 CTi LTex



특성:

- 측정용 능동 전자부와 센서형 적외선 헤드로 구성된 2분할 측정 시스템
- CTi LTex 센서 헤드는 위험 지역에 독립형으로 설치 가능
- 적절한 STAHL 제너 배리어를 사용한 에너지 제한 방식으로, Zone 1 환경에 대한 인증을 획득 (PTB 01 ATEX 2053/ E II (1/2) GD [EEx ia/ib] IIC/IIB)

기술 사양 (zener barriers) 1)

승인: Type 9002/22-032-300-111	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
설치	in zone 2, division 2 and in safe area
환경 등급	IP 67
주변 온도	–20 °C ... 60 °C

개념 / 공급 범위

개념	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 double zener barriers, type 9002/22-032-300-111 (R. STAHL AG)
공급 범위	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 (R. STAHL AG) 3)

1) *Declaration of company R. Stahl AG*
2) *사용자에 의한 검증*
3) *NOTE:* CTi LTex 센서의 기능과 정확한 측정값은 권장된 배리어를 사용할 경우에만 보장됩니다



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CTi LTex 측정 시스템에 대한 제조업체의 보증

To verify that the optris CTi LTex sensing head is a simple electrical device according to EN 60079-11 item 5.7 we hereby confirm the following technical data:

- **Inductance (available for the sensor cable only):**
  Inductance of the loops
  min. 0.55 mH/ km max. 0.56 mH/ km

- In relation to a cable length of 15 m:
  Inductance of the loops
  min. 0.825 *10^{-3} mH max. 0.84 *10^{-3} mH

- **Capacitance:**
  Capacitance of the sensor cable:

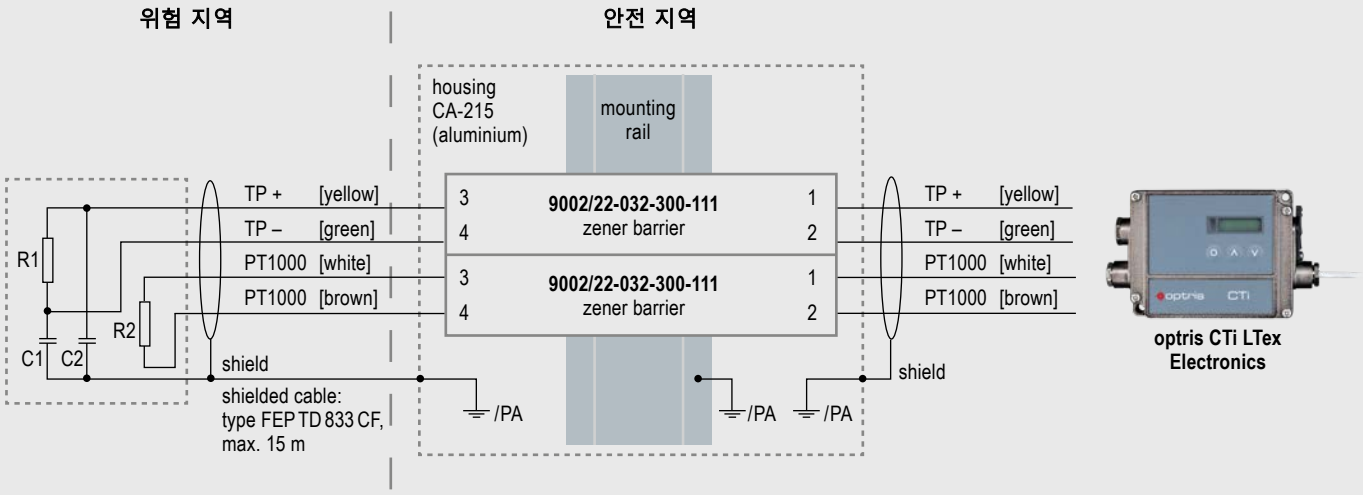
Capacitance lead/lead	min. 16.5 nF/ km	max. 17.9 nF/ km
Capacitance lead/rest	min. 101.0 nF/ km	max. 103.4 nF/ km

In relation to a cable length of 15 m:

Capacitance lead/lead	min. 0.2475 nF	max. 0.2685 nF
Capacitance lead/rest	min. 1.515 nF	max. 1.551 nF

Capacitance in the sensing head:
C1 = Ceramic SMD Capacitor 6.8 nF +/– 20 %
C2 = Ceramic SMD Capacitor 6.8 nF +/– 20 %

연결



치수 (mm)

