



**N**ano **E**nvironmental **T**echnology

SIL2



The Reliable Alternative in Gas Sensing Elements

### **NET New Advanced NDIR Head – Point Open Path**



N.E.T. strategy is to keep adding new technologies to its product portfolio. We are already competent in IR technology and we have developed the new Point Open Path IR and laser sensors, that will be even more selective and accurate.

**POP-S-IR (Point Open Path)** is the new entry in IR family, that **NET will launch during Sensor+Test 2017 in Nurnberg**. It has been specifically developed to have fast response time ( $\leq 7$  s) and high immunity to humidity changes.

**POP-S IR** sensor head is equipped with incorporated electronics and firmware, in order to provide an output that is linearized and temperature compensated, specifically suited for instrument manufacturers without any prior knowledge in IR technology. It is available with standard voltage output [0.4 V—2 V] dc, with a customized output or with 4-20mA current output.

The main features are:

- Full conformity ATEX and IECEx explosion
- proof IR sensor head for surface applications
- Analogue voltage standard, customized output or 4-20mA current output
- Supplied with RAIN COVER
- Fast response (  $T_{90} \leq 7$  s )
- Solid, rugged construction
- Wide operating temperature and humidity range
- SIL2 (TÜV approved)

The **POP-S – IR BLACK BODY** version is particularly suitable for refrigerants gases.

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