



## "Genius" Sensor Family

### Dual Tech Sensors

The new "Genius" sensor family from N.E.T. is a dual technology sensor composed by combinations of NDIR, electrochemical cells and catalytic sensors.

The sensor has a standard diameter of 32 mm and can house two sensors giving two analogue outputs. The outputs can be selected to be used singularly or together in order to suit the need of the user. This gives the opportunity to combine the advantages of the two technologies.

The "Genius" sensors are available in the following configurations:



#### **"Genius" IR (HC %LEL) + C (HC %LEL) – Dual Tech, same range**

- Combines IR and catalytic sensor technology
- For hydrocarbon detection 0-100% LEL
- Composed by the NDIR sensor IRNET-P-20 and the pellistor NP-17SM

#### **"Genius" IR (HC %vol) + C (HC %LEL) – Dual Tech, extended range**

- Combines IR and catalytic sensor technology
- For hydrocarbon detection 0-100% LEL and 0-100 % vol
- Composed by the NDIR sensor IRNET-P-20 (% vol range) and the pellistor NP-17SM

#### **"Genius" EC (NH3 ppm) + C (NH3%LEL) – Dual Tech, extended range**

- Combines electrochemical cell and catalytic sensor technology
- For ammonia detection 0-1000 ppm and 0-100 % LEL
- Composed by the electrochemical sensor, NT-NH3-1000, and the pellistor NP-ANSM

#### **"Genius" IR (CO2 ppm) + EC (CO ppm) – Dual Tech, two gases**

- Combines IR and electrochemical cell sensor technology
- For Carbon dioxide and Carbon monoxide detection, ppm range
- Composed by the NDIR sensor IRNET-P-20 and the electrochemical cell NT-CO-2F

#### **"Genius" IR (CO2 %vol) + EC (CO ppm) – Dual Tech, two gases**

- Combines IR and electrochemical cell sensor technology
- For Carbon dioxide and Carbon monoxide detection, %vol and ppm range
- Composed by the NDIR sensor IRNET-P-20 and the electrochemical cell NT-CO-2F

#### **"Genius" IR (HC %LEL) + C (H2 %LEL) – Dual Tech, two gases**

- Combines IR and catalytic sensor technology
- For hydrocarbon and hydrogen detection 0-100% LEL
- Composed by the NDIR sensor IRNET-P-20 and a hydrogen pellistor