

Leave your gas detection to the experts

Detector

and your environment is safe



DGT 

The Finnish choice
for gas detection

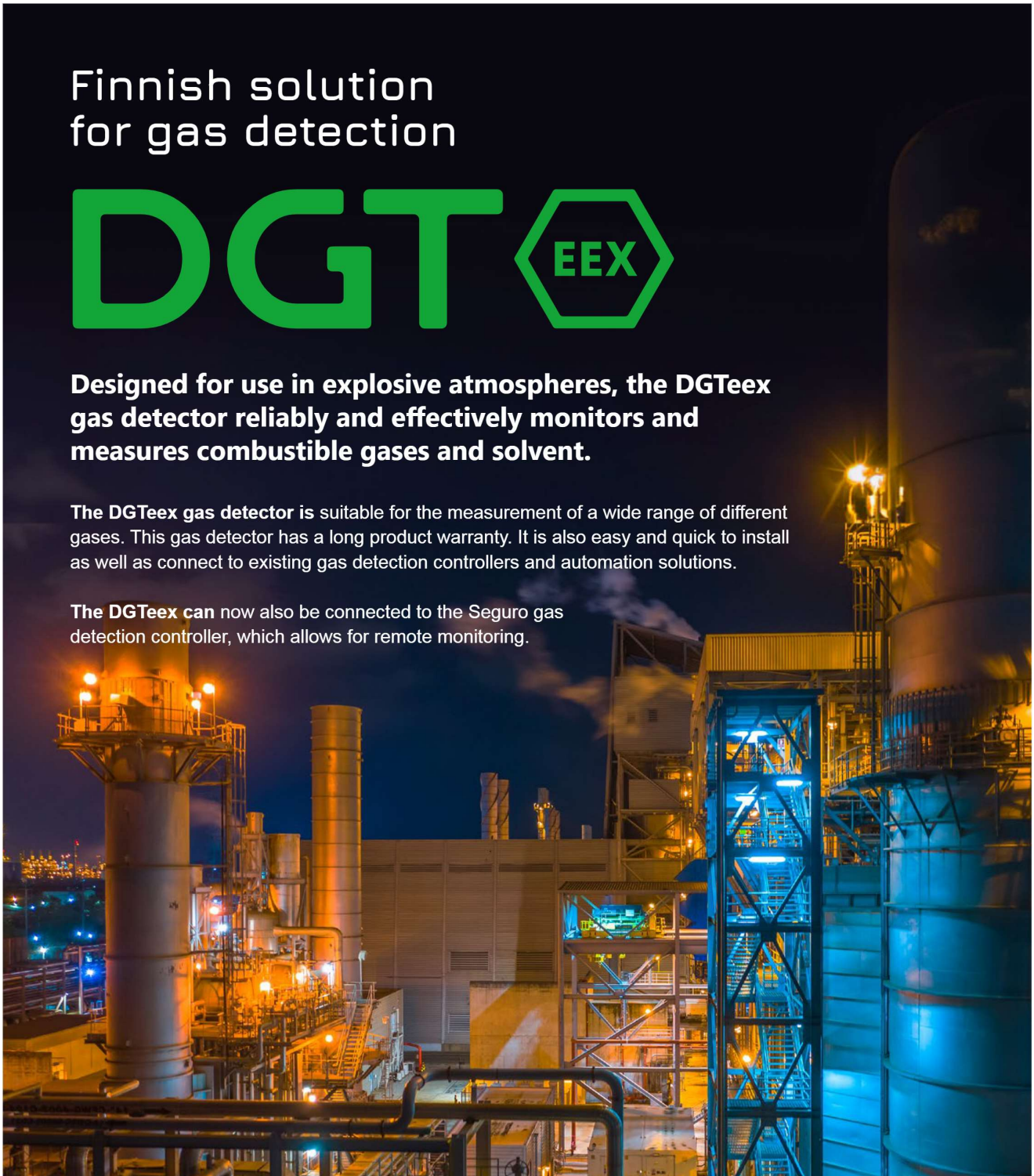
Finnish solution
for gas detection

DGT 

Designed for use in explosive atmospheres, the DGT_{Teex} gas detector reliably and effectively monitors and measures combustible gases and solvent.

The DGT_{Teex} gas detector is suitable for the measurement of a wide range of different gases. This gas detector has a long product warranty. It is also easy and quick to install as well as connect to existing gas detection controllers and automation solutions.



The DGT_{Teex} can now also be connected to the Seguro gas detection controller, which allows for remote monitoring.



Environmental conditions

Ambient humidity:
0–90% RH, non-condensing
Air pressure: normal
air pressure $\pm 10\%$

Technical specifications

Display: Backlit display
Sensor type: electrochemical
Output signal: 4–20mA
Operating voltage: 19–29 VDC
Power consumption: 3W (max)
Cable requirements: 3-wire connection, JAMAK HF
2 x (2+1) x 0.5 mm² or equivalent cable, which meets
EX 60079-14 standard requirements
Installation alternatives:
Wall, ceiling, duct and pipe mounting
Enclosure: Aluminium (surface treatment: epoxy lacquer)
Ingress protection rating: IP66
Dimensions: 185 mm x 129 mm (width x depth)
Weight: 1.8kg
Mounting: M6 screws (according to installation surface)
Cable penetration: Cable penetration M20
ATEX markings:
 II 2G Ex db IIC T6 Gb
 II 2D Ex tb IIIC T85°C Db
 DGTeeX belongs to equipment group II and to equipment category 2G (Gas) and D (dust). The detector can be installed in zones 1, 21, 2 and 22 for explosive gas and dust atmospheres.



Display & LED

4-20 mA

Wireless calibration

GAS	Sensor type	Unit of measurement	Standard measurement range	Maximum measurement range	Typical sensor replacement frequency (m)	Temperature range	Ambient humidity	Response time T90
Ammonia (NH ₃)	Electrochemical	ppm	500	1000	24	-40°C–+50°C	15–90% RH	<55 s
Oxygen (O ₂)	Electrochemical	% Vol	25	30	24	-30°C–+50°C	5–95% RH	<10 s
Carbon monoxide (CO)	Electrochemical	ppm	300	2000	24	-30°C–+50°C	15–90% RH	<30 s
Sulphur dioxide (SO ₂)	Electrochemical	ppm	20	500	24	-30°C–+50°C	15–90% RH	<30 s
Hydrogen sulphide (H ₂ S)	Electrochemical	ppm	50	500	24	-40°C–+50°C	15–90% RH	<60 s
Hydrogen (H ₂)	Electrochemical	ppm	10000	20000	24	-20°C–+50°C	15–90% RH	<110 s

If necessary, request additional information on other target gases, measurement and temperature ranges at www.detector.fi, tel. +358 (0)20 7756 480

Detector

Complementary products



See all accessories:
detector.fi/products

Carefree safety

Detector

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reliable
partner

