

Leave your gas detection to the experts

# Detector

and your environment is safe



DGT 

The Finnish choice  
for gas detection

# Finnish solution for your gas detection

# DGTT



**The DGTkex is suitable for use in potentially explosive atmospheres. for reliable measurement and monitoring of combustible gases and solvent vapours.**

The DGTkex can be used to measure a wide range of gases. It has a long-term warranty and is easy to install and connect to existing automation solutions. It is also available with a remote probe.

DGTk2 can now be connected to the Seguro gas detection controller for remote monitoring.



## Environmental conditions

**Operating humidity:**

0-95% RH, non-condensing

**Operating air pressure:**

normal air pressure +10%

## Technical features

**Display:** Backlit screen

**Sensor type:** Catalytic

**Output signal:** 4-20mA

**Operating voltage:** 19-29 VDC

**Power consumption:** 3W (max.)

**Cabling requirement:** 3-wire connection, suggested type JAMAK HF 2 x (2+1) x 0.5 mm<sup>2</sup> or equal, which must be in accordance with 60079-14 standard

**Installation options:** wall, ceiling, duct and pipe

**Enclosure:** Aluminium

(surface coating, epoxy lacquer)

**Ingress protection code:** IP 66

(IP56 with a SS protection enclosure)

**Dimensions:** 185 mm x 129 mm (width x depth)

**Weight:** approx. 1.8 kg

**Mounting:** M6 screws  
(depending on installation surface)

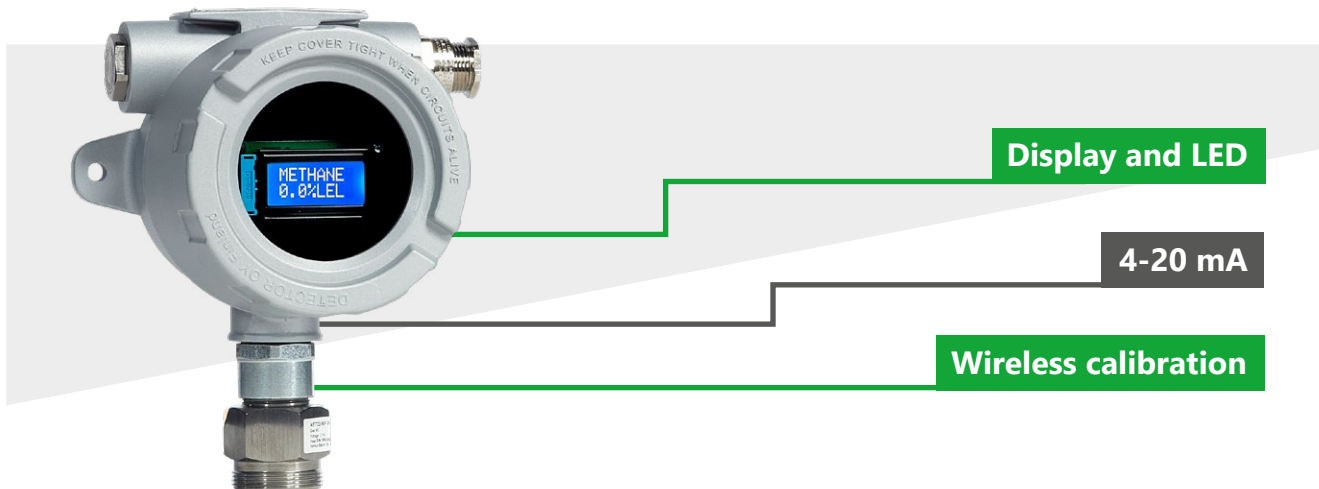
**Cable penetration:** M20

**ATEX marking:**

⚠ II 2G Ex db IIC T6 Gb

⚠ II 2D Ex tb IIIC T85°C Db

DGTkex belongs to Equipment Group II and to Equipment Category 2 G (Gas) and D (Dust). The detector can be installed in Zone 1, 21, 2, and 22.



GAS	Sensor type	Measurement unit	Standard measurement range	Max. measurement range	Sensor replacement frequency (months)	Temperature range	Operating humidity	T90 response time
Acetylene (C <sub>2</sub> H <sub>2</sub> )	Catalytic	% LEL	100	100 %	60	-40°C–+65°C	0–95% RH	<20 s
Petrol	Catalytic	% LEL	100	100 %	60	-40°C–+65°C	0–95% RH	<20 s
Butane (C <sub>4</sub> H <sub>10</sub> )	Catalytic	% LEL	100	100 %	60	-40°C–+65°C	0–95% RH	<20 s
Diesel	Catalytic	% LEL	100	100 %	60	-40°C–+65°C	0–95% RH	<20 s
Ethanol (C <sub>2</sub> H <sub>5</sub> OH)	Catalytic	% LEL	100	100 %	60	-40°C–+65°C	0–95% RH	<20 s
Hexane (C <sub>6</sub> H <sub>14</sub> )	Catalytic	% LEL	100	100 %	60	-40°C–+65°C	0–95% RH	<20 s
Heptane (C <sub>7</sub> H <sub>16</sub> )	Catalytic	% LEL	100	100 %	60	-40°C–+65°C	0–95% RH	<20 s
Carbon monoxide (CO)	Catalytic	% LEL	100	100 %	60	-40°C–+65°C	0–95% RH	<20 s
Isopropanol (C <sub>3</sub> H <sub>7</sub> O)	Catalytic	% LEL	100	100 %	60	-40°C–+65°C	0–95% RH	<20 s
Xylene (C <sub>8</sub> H <sub>10</sub> )	Catalytic	% LEL	100	100 %	60	-40°C–+65°C	0–95% RH	<20 s
Methane (CH <sub>4</sub> )	Catalytic	% LEL	100	100 %	60	-40°C–+65°C	0–95% RH	<20 s
Methanol (CH <sub>3</sub> OH)	Catalytic	% LEL	100	100 %	60	-40°C–+65°C	0–95% RH	<20 s
Pentane (C <sub>5</sub> H <sub>12</sub> )	Catalytic	% LEL	100	100 %	60	-40°C–+65°C	0–95% RH	<20 s
Propane (C <sub>3</sub> H <sub>8</sub> )	Catalytic	%LEL	100	100 %	60	-40°C–+65°C	0–95% RH	<20 s
Toluene (C <sub>7</sub> H <sub>8</sub> )	Catalytic	%LEL	100	100 %	60	-40°C–+65°C	0–95% RH	<20 s
Hydrogen (H <sub>2</sub> )	Catalytic	%LEL	100	100 %	60	-40°C–+65°C	0–95% RH	<20 s
Other combustible gases*	Catalytic	% LEL	100	100 %	60	-40°C–+65°C	0–95% RH	<20 s

If you would like additional information on other target gases, measurement and temperature ranges, please contact us at: [www.detector.fi](http://www.detector.fi), +358 (0)207 756 480

# Complementary products



For information on all accessories,  
see: [detector.fi/products](http://detector.fi/products)

# Carefree safety

# Detector

Detector Oy  
Telekatu 8, 20360 Turku  
Tel: +358 (0)207 756 480  
[detector@detector.fi](mailto:detector@detector.fi)  
[www.detector.fi](http://www.detector.fi)

