

Leave your gas detection to the experts

# Detector

and your environment is safe

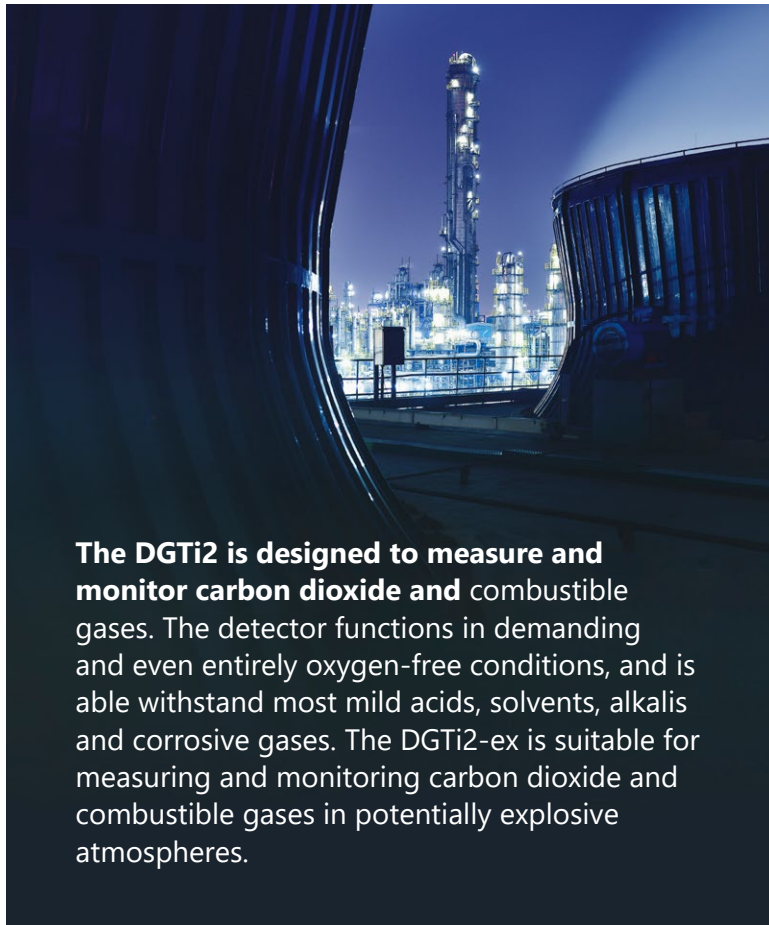


DGT 

The Finnish choice  
for gas detection

Finnish solution for your gas detection

DGT 



The DGTi2 is designed to measure and monitor carbon dioxide and combustible gases. The detector functions in demanding and even entirely oxygen-free conditions, and is able withstand most mild acids, solvents, alkalis and corrosive gases. The DGTi2-ex is suitable for measuring and monitoring carbon dioxide and combustible gases in potentially explosive atmospheres.

## Technical features

**Sensor type:** Infrared

**Operating voltage:** 19-29 VDC

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

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

**Installation options:**

wall, ceiling, duct and pipe

**Colour:** RAL 7032 beige

**Ingress protection code:** IP 54 (IP 56 with a SS protection enclosure)

**Dimensions:** 89 mm x 89 mm x 69 mm (width x height x depth)

**Weight:** approx. 450 g

**Mounting:** 2-4 fasteners

**Cable entry:** PG16

**ATEX marking (on Ex models):**

 II 3G Ex ec IIC T4 GC

GAS DETECTOR	Safe zone	ATEX 2	ATEX 1	ATEX 0
DGTi2	x			
DGTi2-ex		x		



<b>GAS</b>	<b>Sensor type</b>	<b>Measurement unit</b>	<b>Standard measurement range</b>	<b>Max. measurement range</b>	<b>Sensor replacement frequency (months)</b>	<b>Temperature range</b>	<b>Operating humidity</b>	<b>T90 response time</b>	<b>Resolution</b>
<b>Butane</b> (C <sub>4</sub> H <sub>10</sub> )	Infrared	% vol	100	100 %	60	-20°C–+50°C	0–95% RH	<60 s	0,1% of measurement range
<b>Ethanol</b> (C <sub>2</sub> H <sub>5</sub> OH)	Infrared	% vol	100	100 %	60	-20°C–+50°C	0–95% RH	<60 s	0,1% of measurement range
<b>Hexane</b> (C <sub>6</sub> H <sub>14</sub> )	Infrared	% vol	100	100 %	60	-20°C–+50°C	0–95% RH	<60 s	0,1% of measurement range
<b>Heptane</b> (C <sub>7</sub> H <sub>16</sub> )	Infrared	% vol	100	100 %	60	-20°C–+50°C	0–95% RH	<60 s	0,1% of measurement range
<b>Carbon dioxide</b> (CO <sub>2</sub> )	Infrared	% vol	5	5 %	60	-20°C–+50°C	0–95% RH	<60 s	0,01% of measurement range
<b>Isopropanol</b> (C <sub>3</sub> H <sub>8</sub> O)	Infrared	% vol	100	100 %	60	-20°C–+50°C	0–95% RH	<60 s	0,1% of measurement range
<b>Xylene</b> (C <sub>8</sub> H <sub>10</sub> )	Infrared	% vol	100	100 %	60	-20°C–+50°C	0–95% RH	<60 s	0,1% of measurement range
<b>Methane</b> (CH <sub>4</sub> )	Infrared	% vol	100	100 %	60	-20°C–+50°C	0–95% RH	<60 s	0,1% of measurement range
<b>Methanol</b> (CH <sub>3</sub> OH)	Infrared	% vol	100	100 %	60	-20°C–+50°C	0–95% RH	<60 s	0,1% of measurement range
<b>Pentane</b> (C <sub>5</sub> H <sub>12</sub> )	Infrared	% vol	100	100 %	60	-20°C–+50°C	0–95% RH	<60 s	0,1% of measurement range
<b>Propane</b> (C <sub>3</sub> H <sub>8</sub> )	Infrared	% vol	100	100 %	60	-20°C–+50°C	0–95% RH	<60 s	0,1% of measurement range
<b>Toluene</b> (C <sub>7</sub> H <sub>8</sub> )	Infrared	% vol	100	100 %	60	-20°C–+50°C	0–95% RH	<60 s	0,1% of measurement range

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

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reliable  
partner

