

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



Gas detector for measuring and monitoring refrigerant leaks and combustible gases.

The detector is easy to install and connect to existing automation solutions, and is also compatible with other systems.

Environmental conditions

Operating humidity:
Dependent on the measuring element

Operating air pressure:
normal air pressure
+10%

Technical features

- Can be equipped with relay outputs, a buzzer and reset button
- LED indicator light
- Semiconductor sensor
- Selectable measuring range
- Service life of the replaceable measuring element – 3 years
- Selectable output signal (4-20 mA, 0-20 mA, 0-10 V, 2-10 V)

Operating voltage: 24VDC/VAC +20% (DGTt2-ex – only 24VDC version)

Power consumption: 4.0W (max.)

Cabling requirement: Safe zone: 3-wire connection, suggested type

JAMAK 2 x (2+1) x 0.5 mm² or equal Ex zone: cable must be in accordance with 60079-14 standard

Installation options: wall, ceiling, duct and pipe

Ingress protection code: IP 54 (IP56 with a SS protection enclosure)


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

Weight: approx. 390 g

Mounting: 2-4 screws

Cable penetration: PG16

ATEX marking (on Ex models):

 II 3G Ex ec IIC T4 GC

GAS DETECTOR	Safe zone	ATEX 2	ATEX 1	ATEX 0
DGTt2	x			
DGTt2-ex		x		



LED indicator lights

Wireless calibration

4-20 mA, 0-20 mA, 0-10 V, 2-10 V

OPTION

1 x relay (24 VDC, 1 A)

Buzzer (80 dB)

Reset button (relay/buzzer)

GAS	Sensor type	Measurement unit	Standard measurement range	Max. measurement range	Sensor replacement frequency (months)	Temperature range	Operating humidity	T90 response time
Ammonia (NH ₃)	Semiconductor	ppm	500	1000	36	-30 - +40 °C	15-90 % RH	<10 s
Car exhaust	Semiconductor	ppm	300	1000	36	-30 - +40 °C	15-90 % RH	<10 s
R123	Semiconductor	ppm	1 000	3 000	36	-30 - +40 °C	15-90 % RH	<10 s
R1234ze	Semiconductor	ppm	1 000	3 000	36	-30 - +40 °C	15-90 % RH	<10 s
R134A	Semiconductor	ppm	1 000	3 000	36	-30 - +40 °C	15-90 % RH	<10 s
R21	Semiconductor	ppm	1 000	3 000	36	-30 - +40 °C	15-90 % RH	<10 s
R22	Semiconductor	ppm	1 000	3 000	36	-30 - +40 °C	15-90 % RH	<10 s
R245fa	Semiconductor	ppm	1 000	3 000	36	-30 - +40 °C	15-90 % RH	<10 s
R401A	Semiconductor	ppm	1 000	3 000	36	-30 - +40 °C	15-90 % RH	<10 s
R402A	Semiconductor	ppm	1 000	3 000	36	-30 - +40 °C	15-90 % RH	<10 s
R125	Semiconductor	ppm	1 000	3 000	36	-30 - +40 °C	15-90 % RH	<10 s
R4134A	Semiconductor	ppm	1 000	3 000	36	-30 - +40 °C	15-90 % RH	<10 s
R245fa	Semiconductor	ppm	1 000	3 000	36	-30 - +40 °C	15-90 % RH	<10 s
R404A	Semiconductor	ppm	1 000	3 000	36	-30 - +40 °C	15-90 % RH	<10 s
R407C	Semiconductor	ppm	1 000	3 000	36	-30 - +40 °C	15-90 % RH	<10 s
R410A	Semiconductor	ppm	1 000	3 000	36	-30 - +40 °C	15-90 % RH	<10 s
R450A	Semiconductor	ppm	1 000	3 000	36	-30 - +40 °C	15-90 % RH	<10 s
R507	Semiconductor	ppm	1 000	3 000	36	-30 - +40 °C	15-90 % RH	<10 s
R513A	Semiconductor	ppm	1 000	3 000	36	-30 - +40 °C	15-90 % RH	<10 s
Other refrigerants	Semiconductor	ppm	1 000	3 000	36	-30 - +40 °C	15-90 % RH	<10 s

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

Complementary products



For information on all accessories,
see: detector.fi/products

Carefree safety

Detector

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reliable
partner

