

Data sheet

Danfoss gas detection PC tool



The gas detection PC tool is a menu-driven and stand alone software used for easy Addressing, Parameter setting, Calibration and Data logging of the Basic, Premium and Heavy Duty gas detection units. Furthermore, it handles Parameter setting and Memory Read of the gas detection Controller including peripherals (Expansion module - Warning module). Power for this tool is provided from the PC via the standard USB connection.

The USB connection to the PC and the plug connection to the service tool port in the device are galvanic isolated.

The tool is Plug and Play and installation is performed automatically.

Features

- Addressing, Calibration and Parameterization of all Danfoss gas detection units.
- Long-term recording on hard disk in .csv format
- Monitoring of all measuring values at a glance, live
- Handling and print of calibration report
- Password protected
- Runs on WINDOWS 7/8/10
- EMC directives 2014/30/EU, CE
- Conformity to:
 - EN 61010-1:2010
 - ANSI/UL 61010-1
 - CAN/CSA-C22.2 No. 61010-1

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Screen menu

Service mode menu

File View Parameter System Help

Controller Parameter menu

Current Values	Average Values	SR / DP 1 - 12	SR / DP 13 - 24	SR / DP 25 - 36	SR / DP 37 - 48	SR / DP 49 - 60	SR / DP 61 - 72	SR / DP 73 - 84	SR / DP 85 - 96
1	102.9								
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									

AR / AP 1 - 4	AR / AP 5 - 8	AR / AP 9 - 12	AR / AP 13 - 16	AR / AP 17 - 20	AR / AP 21 - 24	AR / AP 25 - 28	AR / AP 29 - 32
1	129.9						
2	11.3						
3							
4							

Set Current	AO 1 - 2	AO 3 - 4	AO 5 - 6	AO 7 - 8	AO 9 - 10	AO 11 - 12	AO 13 - 14	AO 15 - 16
1	4.00 mA							
2	4.00 mA							

10017 | COM1 19200

MP Address: 2

Device Functions: Read SP, Write SP, from 0 to 0 step 1, Duplicate

File Functions: Read all SP from DGC to file: Export, Write all SP from file to DGC: Import

SP Parameter: Active, Gas Type: 1125 NH3 Ammonia ppm, Measuring Range: 300

Parameter for the internal processing of the measured value

Threshold 1	25.0	CV
Threshold 2	125.0	CV
Threshold 3	0.0	CV
Threshold 4	0.0	CV
Hysteresis	10.0	
CV ON-Delay Time[sec.]	0	
CV OFF-Delay Time[sec.]	0	

Analog Output Assignment 1: 1

Alarm/Fault/Latching -> Assignment	Relay	Fault	Latching
Alarm 1	SR 1	<input type="checkbox"/>	<input type="checkbox"/>
Alarm 2	SR 2	<input type="checkbox"/>	<input type="checkbox"/>
Alarm 3	SR 5	<input type="checkbox"/>	<input type="checkbox"/>
Alarm 4	SR 4	<input type="checkbox"/>	<input type="checkbox"/>

No AV Overlay

Close

SP 2 Parameters were successfully read.

Service mode parameter setting/reading.

Specifications

Electrical

Power supply	5 V DC from PC
Serial interface central bus	RS485 / 19200 Baud

Ambient conditions

Temperature range	-10 °C bis +40 °C (14 °F to 104 °F)
Humidity range	0 - 90 % RH not-condensing

Physical

Housing	Polycarbonate black
Dimensions	110 x 60 x 40 mm
Weight	Approx. 200 g
Protection class	IP 65
Cable length	1.50 m

Standards & regulations

EMC Directive 2014/30/EU
CE
Conformity to: EN 61010-1:2010, ANSI/UL 61010-1, CAN/CSA-C22.2 No. 61010-1

Ordering

Description	Code number
PC tool	148H6235