


134U8781
FC-202P7K5T4E55H1BGXXXXSXXXXA0B0CXXXXDX

This product is not available in this store. Please contact your local **Customer Service Center**.

Frequency converter
 FC-202P7K5T4E55H1BGXXXXSXXXXA0B0CXXXXDX
 VLT® AQUA Drive FC-202
 (P7K5) 7.5 KW / 10 HP,
 Three phase, 380 - 480 VAC, IP55 / Type 12
 (H1) RFI Class A1/B (C1)
 Brake chopper
 Graphical Loc. Cont. Panel
 Not coated PCB, No Mains Option
 Latest release std. SW.
 Frame: A5
 PROFIBUS DP MCA 101, MCB-109 I/O, RTC Back-up
 No C1 option, No D option

Other options according to Model code

Model code: FC-202P7K5T4E55H1BGXXXXSXXXXA0B0CXXXXDX

Danfoss VLT® AQUA Drive is dedicated to water and wastewater applications. With a wide range of powerful standard and optional features, the VLT® AQUA Drive provides the lowest overall cost of ownership for water and wastewater applications.

View Efficiency Data

PRODUCT DETAILS

| | | |
|-------------------------------|------|----------------------------|
| Gross weight | | 13.276 Kilogram |
| Net weight | | 12.66 Kilogram |
| Volume | | 39.798 Liter |
| EAN | | 5710108048259 |
| Product View (Switch) | GLBL | Global (Standard) |
| Product Group | FC- | VLT® AQUA Drive FC- |
| Series | 202 | 202 |
| Power Rating | P7K5 | (P7K5) 7.5 KW / 10 HP |
| Phase | T | Three phase |
| Mains Voltage | 4 | 380 - 480 VAC |
| Enclosure | E55 | IP55 / Type 12 |
| RFI Filter | H1 | (H1) RFI Class A1/B (C1) |
| Brake - Safe Stop | B | Brake chopper |
| LCP | G | Graphical Loc. Cont. Panel |
| Coating PCB | X | Not coated PCB |
| Mains Option | X | No Mains Option |
| Adaptation A | X | Standard Cable Entries |
| Adaptation B | X | No adaptation |
| Software Release | SXXX | Latest release std. SW. |
| Software Language Pack | X | Standard Language Pack |

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PRODUCT DETAILS

| | | |
|--------------------------------------|---------|--------------------------|
| A Option | A0 | PROFIBUS DP MCA 101 |
| B Option | B0 | MCB-109 I/O, RTC Back-up |
| C0 Option MCO | CX | No C0 option |
| C1 Option | X | No C1 option |
| C Option Software | XX | No software option |
| D Option | DX | No D option |
| Frame Size | A5 | A5 |
| Typecode Part 1 | | FC-202P7K5T4E55H1BGX |
| Typecode Part 2 | | XXXXXXXA0B0CXXXXDX |
| Product Catalog | NO_VIEW | NO VIEW |
| Power 150% (HO) [KW] | 7.5 | 7.5 |
| Power 110% (NO) [KW] | 7.5 | 7.5 |
| Height [mm] | 420,0 | 420,0 |
| Width w/ no C options [mm] | 242,0 | 242,0 |
| Depth [mm] | 200,0 | 200,0 |
| Depth with Option A/B [mm] | 200,0 | 200,0 |
| kVA | 11.1 | 11.1 |
| Power Loss NO [W] | 225 | 225 |
| Power Loss NO [W] | 225 | 225 |
| Power Loss HO [W] | 225 | 225 |
| Power Loss HO [W] | 225 | 225 |
| Continuous Current (NO) [A] | 16 | 16 |
| Intermittent Current (NO) [A] | 17.6 | 17.6 |
| Continuous Current (NO) [A] | 14.5 | 14.5 |
| Intermittent Current (NO) [A] | 16 | 16 |
| Continuous Current (HO) [A] | 16 | 16 |
| Intermittent Current (HO) [A] | 24 | 24 |
| Continuous Current (HO) [A] | 14.5 | 14.5 |
| Intermittent Current (HO) [A] | 21.8 | 21.8 |
| Calculated Gross Weight [kg] | | 13.276 |
| Calculated Net Weight [kg] | | 12.66 |
| ECCN EU | Y901 | Y901 |
| ECCN US | 3A999.a | 3A999.a |
| Vendor | ERR01 | Cannot Determine Vendor |
| Recommended Factory | ERR01 | Cannot Determine Vendor |
| Modelcode01 | | FC-202P7K5T4E55H1BGX |
| Modelcode02 | | XXXXXXXA0B0CXXXXDX |
| Recommended Plant | ERR01 | ERR01 |

For Documents, Software, Visuals and more information, please use this link to visit the product page on Danfoss Product Store [🔗](#)

Accessories


130B0295 [🔗](#)
sparepart/terminals accessory bag

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Accessories



130B1023 [🔗](#)
Accessory bag for smooth cable entry A5
 accessory bag for a5 enclosure



130B1028 [🔗](#)
Panel Through Mounting Kit, A5
 Push-through frame kit for FC size A5 Contains mounting frame, seal, fastening material and assembly instructions.



130B1070 [🔗](#)
RS485 plug, FC series, 10 pcs
 10pcs RS485 connectors for FC-series.
 Product group: R



130B1071 [🔗](#)
6 Pole Connector, FC series, 10 pcs
 6-pole spring cage connectors 10 pcs



130B1077 [🔗](#)
Blindcover, w/ Danfoss logo, IP55/66
 LCP Blindcover IP66



130B1078 [🔗](#)
VLT® Control Panel LCP 102, graphical
 LCP 102 - graphic control unit for FC100 / 200/300, degree of protection IP66



130B1080 [🔗](#)
Mounting Brackets, IP55/66, A5
 Mounting brackets for enclosure size A5



130B1088 [🔗](#)
LCP Blindcover, w/ Danfoss logo, IP20/21



130B1098 [🔗](#)
Back plate, IP55/Type12, A5
 FC 300 back cover (galvanized steel) for the devices in IP21 / 55 Case size: A5

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Accessories

130B1107
VLT® Control Panel LCP 102

Graphic operating unit LCP102 Illuminated graphic display with plain text. Supports all languages and characters. Quick menu for brief commissioning. Saving and copying parameter sets. Online help for each function


130B1108
VLT® 24V DC Supply MCB 107, uncoated

Connect an external DC supply to keep the control section and any installed option alive during power failure. Enables full operation of the LCP (including the parameter setting) and all installed options without connection to mains.


130B1113
LCP Mounting Kit w/ graphical LCP102, 3m

The kit includes graphical LCP, fasteners, 3m cable and gasket.


130B1114
LCP Mounting Kit w/ numerical LCP101, 3m

The kit includes numerical LCP, fasteners, 3m cable and gasket.


130B1117
LCP Mounting Kit, w/ no LCP

The kit includes fasteners, 3m cable and gasket - There is no LCP included.


130B1124
VLT® Control Panel LCP 101, numeric

Numerical control unit for FC 100 and FC 300. Allows access to all device parameters. Quick menu for brief commissioning. Manual / auto switchover and alarm acknowledgment.


130B1129
LCP Mounting Kit FC IP55/66, 8m

The kit includes fasteners, 8m cable, gasket and a blind cover to ensure IP55/ 66 after the LCP has been mounted elsewhere. The 8m cable is open in one end and the connector block is included in the package. No LCP included.


130B1154
VLT® Adv. Cascade Contr. MCO 102, ctd

Easy to fit. Upgrades built-in cascade controller to operate up to 8 pumps and provide more advanced pump control in master/follower mode. Supports combination of multiple variable speed and fixed speed pumps, as well as configurations with pumps of differing capacity (mixed pump control). The additional 7 digital inputs and the 24-V DC connection to the drive enable flexible adaptation to the application. The same cascade controller hardware is compatible with the entire power range up to 2 MW.

For more information, please use this link to visit the product page on Danfoss Product Store

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Accessories



130B1155 [🔗](#)

USB extension Cable, 350mm

USB extension kit for FC 300 cable length: 350mm for the housing size: B2, C1 and C2 screw connection M 25



130B1157 [🔗](#)

oem costumer graphic lcp

OEM version LCP102 w. no Danfoss branding.



130B1164 [🔗](#)

VLT® Extended Relay Card MCB 113

Adds 7 digital inputs and 2 analog outputs for increased flexibility. 4 SPDT relays. Meets NAMUR recommendations. Galvanic isolation capability.



130B1170 [🔗](#)

LCP Panel Mounting Kit

The kit includes fasteners and gasket. No LCP and no cable included.



130B1208 [🔗](#)

1x MCB 107 24V DC coat w. mount. brackets

Connect an external DC supply to keep the control section and any installed option alive during power failure. Enables full operation of the LCP (including the parameter setting) and all installed options without connection to mains.



130B1254 [🔗](#)

VLT® Adv. Cascade Contr. MCO 102, ctd

Upgrades the built-in cascade controller to control up to 8 pumps

- More advanced pump control in master / follower mode
- The same cascade management hardware applies to the entire power range up to 1.2 MW
- Up to 8 pumps in standard cascade control
- Up to 8 pumps in master / follower setup

Remember to order the Mounting kit if the above MCO option is required retrofitted.

130B7530 - Mounting kit for enclosures A2 and A3

130B1413 - Mounting kit for enclosure B3

130B7532 - Mounting kit for enclosure A5

130B7533 - Mounting kit for all enclosures B, C, D, E and F (B3 excepted)

Danfoss MCO options are not sold without prior advice. Danfoss can offer help with programming / setting up MCO options. Contact Danfoss for advice and prices.

Product group: R



130B1387 [🔗](#)

5x MCB107 24VDC no coat w.out mount brack

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Accessories



130B4598 [🔗](#)

Weather shield f. outdoor instl A4 to B2

Weather shield for enclosure sizes A4, A5, B1, B2

Image coming soon

130B4847 [🔗](#)

extension cable for lcp+communication



130B5435 [🔗](#)

DIN Rail Mounting Kit



130B5436 [🔗](#)

Side Fixture Mounting Kit

Side Fixture Mounting Kit for enclosure size A5 / B1 / B2 / C1 / C2

To be used when retrofitting the following MCA options:

MCA 120 Profinet

MCA 121 EtherNet

MCA 122 Modbus TCP

MCA 123 POWERLINK

MCA 124 EtherCAT

Product group: R1



130B7532 [🔗](#)

Mounting Kit f. C Option, A5

VLT® Mounting kit for enclosure size A5. To be used when retrofitting the following MCO options:

MCO 102 Advanced Cascade Control

MCO 305 Programmable Motion Controller

MCO 350 Synchronizing Controller

MCO 351 Positioning controller

MCO 360 Salt Controller

MCO 361 Lift Controller

MCB 113 Extended relay card (Located in MCO slot)

Product group: R1

For more information, please use this link to visit the product page on Danfoss Product Store [🔗](#)

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Accessories



134B0460 [🔗](#)
LCP 103 Wireless Communication Panel

With VLT® Wireless Communication Panel LCP 103 you can communicate with MyDrive® Connect - an app that can be downloaded for iOS and Android based smartphones. MyDrive® Connect makes commissioning easy, monitor and maintain tasks on your frequency converter. VLT® Wireless Communication Panel LCP 103 shows the current status of the drive (On, Warning, Alarm, Wifi connection) via built-in LED. Detailed information is also available using MyDrive® Connect. Here do you have access to i.a. status, menu and alerts. You can also see graphs over the latest available data.

The new VLT® Wireless Communication Panel LCP 103 allows you to wireless communication to the following drives:

- VLT® HVAC Drive FC 102
- VLT® Refrigeration Drive FC 103
- VLT® AQUA Drive FC 202
- VLT® AutomationDrive FC 302

[!] Note!

LCP 103 only works on frequency converters produced in 2018 (White USB stik).

Product group: R1

Image coming soon

134B1992 [🔗](#)
Control Terminals w/ screw connections



134B5223 [🔗](#)
Remote LCP unit, 3m
 Remote mounting kit for LCP with cover for outdoor mounting with 3 m (10 ft) cable

Image coming soon

134B5224 [🔗](#)
Remote LCP unit, 5m
 Remote mounting kit for LCP with cover for outdoor mounting with 5 m (16 ft) cable

Image coming soon

134B5225 [🔗](#)
Remote LCP unit, 10m
 Remote mounting kit for LCP with cover for outdoor mounting with 10 m (33 ft) cable

Image coming soon

134B6883 [🔗](#)
VLT Progr. Contr. MCB 301, coated



134B7093 [🔗](#)
VLT C-option Adapter MCF 107

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Accessories



134B7466 [🔗](#)
Option A Ethernet Package



134B8492 [🔗](#)
Transducer 0-10g, 4-20mA; HS-22B50



134B8493 [🔗](#)
Transducer 0-25mm/s RMS 4-20mA
 CBM Transducer 0-25mm/s RMS 4-20mA



134B8494 [🔗](#)
Transducer w, temp 0-25mm/s RMS 4-20mA



134B8496 [🔗](#)
CABLE ASSY 10M, STRAIGHT SOCKET CONNETC.

Image coming soon

134B8497 [🔗](#)
Cable assy, M12 female connec.10m screen



134B9400 [🔗](#)
Pressure Sensor 7245T 2x500Pa & PT1000
 DUAL AIR PRESSURE SENSOR ±500PA Temperature drift: ± 0.1% per °C/°F
 Zero point offset: ± 10 % of measuring range
 Above-/below-pressure: max. ± 50 kPa / ± 200 inWC
 Power: 24VAC (± 20%) & (>&&&>0,2W / 15...36VDC
 Operation temperature: -30...+70 °C / -22...+158 °F
 Media temperature -20...+50 °C / -4...+122 °F
 T2-IP65 plastic housing with two M16 cable glands one M12 for temperature
 Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

For more information, please use this link to visit the product page on Danfoss Product Store [🔗](#)

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Accessories



134B9401 [🔗](#)

Pressure Sensor 7249T 500/7000Pa & PT1000

DUAL AIR PRESSURE SENSOR $\pm 500\text{Pa}$ Temperature drift: $\pm 0.1\%$ per $^{\circ}\text{C}$ #
 $^{\circ}\text{F}$

Zero point offset: $\pm 10\%$ of measuring range

Above- # below-pressure: max. $\pm 50\text{ kPa}$ / $\pm 200\text{ inWC}$

Power: 24VAC ($\pm 20\%$) <0,2W / $15\text{...}36\text{VDC}$

Operation temperature: $-30\text{...}+70\text{ }^{\circ}\text{C}$ / $-22\text{...}+158\text{ }^{\circ}\text{F}$

Media temperature $-20\text{...}+50\text{ }^{\circ}\text{C}$ / $-4\text{...}+122\text{ }^{\circ}\text{F}$

T2-IP65 plastic housing with two M16 cable glands one M12 for
 temperature

Housing dimensions: $126 \times 90 \times 50\text{ mm}$ / $4.96 \times 3.54 \times 1.97\text{ in}$



134B9402 [🔗](#)

Pressure Sensor 7247T 2x7000Pa & PT1000

DUAL AIR PRESSURE SENSOR $\pm 7000\text{Pa}$ Temperature drift: $\pm 0.1\%$ per $^{\circ}\text{C}$ #
 $^{\circ}\text{F}$

Zero point offset: $\pm 10\%$ of measuring range

Above- # below-pressure: max. $\pm 50\text{ kPa}$ / $\pm 200\text{ inWC}$

Power: 24VAC ($\pm 20\%$) <0,2W / $15\text{...}36\text{VDC}$

Operation temperature: $-30\text{...}+70\text{ }^{\circ}\text{C}$ / $-22\text{...}+158\text{ }^{\circ}\text{F}$

Media temperature $-20\text{...}+50\text{ }^{\circ}\text{C}$ / $-4\text{...}+122\text{ }^{\circ}\text{F}$

T2-IP65 plastic housing with two M16 cable glands one M12 for
 temperature

Housing dimensions: $126 \times 90 \times 50\text{ mm}$ / $4.96 \times 3.54 \times 1.97\text{ in}$



134B9404 [🔗](#)

Pressure Sensor 7225 2x500Pa, Analog

DUAL AIR PRESSURE SENSOR $\pm 500\text{Pa}$ $\pm 500\text{Pa}$, ANALOGUE

Dual pressure transmitter with 2x8 switchable measuring ranges and 2
 automated analogue output signals in a resistant IP65 plastic housing
 with quick-locking screws, connection nozzles for pressure hose ($\varnothing 6\text{ mm}$)
 and a M16 cable gland for cable connection. The pressure measuring
 transducer automatically detects the required output type and converts
 the measurands into the required standard signal of $0\text{--}10\text{ V}$ or $4\text{...}20\text{ mA}$.

Pressure range selection: $\pm 500\text{ Pa}$ – $0\text{...}100\text{Pa}$ / 200Pa / 300Pa / 500Pa

Accuracy: 500 Pa typical $\pm 13\text{ Pa}$

Zero point offset: $\pm 10\%$ of measuring range

Above- # below-pressure: max. $\pm 50\text{ kPa}$

Power: 24VAC/DC ($\pm 10\%$) <1,3W,

Output: automatically switching $0\text{--}10\text{ V}$ # $4\text{...}20\text{ mA}$

Working resistance: R_a (ohms) = $25\text{...}450\text{ Ohm}$ (at I output)

Load resistance: R_L > 15 kOhm (at U output)

Operation / Media temperature: $-20\text{...}+50\text{ }^{\circ}\text{C}$ / $-4\text{...}+122\text{ }^{\circ}\text{F}$

T2-IP65 plastic housing with one M16 cable gland

Housing dimensions: $126 \times 90 \times 50\text{ mm}$ / $4.96 \times 3.54 \times 1.97\text{ in}$

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Accessories



134B9405

Pressure Sensor 7229 500/7000Pa, Analog

DUAL AIR PRESSURE SENSOR $\pm 500\text{Pa} \pm 7000\text{Pa}$, ANALOGUE

Dual pressure transmitter with 2x8 switchable measuring ranges and 2 automated analogue output signals in a resistant IP65 plastic housing with quick-locking screws, connection nozzles for pressure hose ($\varnothing 6 \text{ mm}$) and a M16 cable gland for cable connection. The pressure measuring transducer automatically detects the required output type and converts the measurands into the required standard signal of 0–10 V or 4...20 mA. Pressure range selection: $\pm 500 \text{ Pa} - 0 \dots 100\text{Pa} / 200\text{Pa} / 300\text{Pa} / 500\text{Pa}$ Pressure range selection: $\pm 7000 \text{ Pa} - 0 \dots 1000\text{Pa} / 2000\text{Pa} / 3000\text{Pa} / 5000\text{Pa} / 7000\text{Pa}$

Accuracy: 500 Pa typical $\pm 13 \text{ Pa}$

Accuracy: 7000 Pa typical $\pm 105 \text{ Pa}$

Zero point offset: $\pm 10 \%$ of measuring range

Above- # below-pressure: max. $\pm 50 \text{ kPa}$

Power: 24VAC/DC ($\pm 10\%$) <1,3W,

Output: automatically switching 0 -10 V # 4...20 mA

Working resistance: $R_a \text{ (ohms)} = 25 \dots 450 \text{ Ohm}$ (at I output)

Load resistance: $R_L \text{ >} 15 \text{ kOhm}$ (at U output)

Operation / Media temperature: $-20 \dots +50 \text{ }^\circ\text{C} / -4 \dots +122 \text{ }^\circ\text{F}$

T2-IP65 plastic housing with one M16 cable gland

Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in



134B9406

Pressure Sensor 7227 2x7000Pa, Analog

DUAL AIR PRESSURE SENSOR $\pm 7000\text{Pa} \pm 7000\text{Pa}$, ANALOGUE

Dual pressure transmitter with 2x8 switchable measuring ranges and 2 automated analogue output signals in a resistant IP65 plastic housing with quick-locking screws, connection nozzles for pressure hose ($\varnothing 6 \text{ mm}$) and a M16 cable gland for cable connection. The pressure measuring transducer automatically detects the required output type and converts the measurands into the required standard signal of 0–10 V or 4...20 mA.

Pressure range selection: $\pm 7000 \text{ Pa} - 0 \dots 1000\text{Pa} / 2000\text{Pa} / 3000\text{Pa} / 5000\text{Pa} / 7000\text{Pa}$

Accuracy: 7000 Pa typical $\pm 105 \text{ Pa}$

Zero point offset: $\pm 10 \%$ of measuring range

Above- # below-pressure: max. $\pm 50 \text{ kPa}$

Power: 24VAC/DC ($\pm 10\%$) <1,3W,

Output: automatically switching 0 -10 V # 4...20 mA

Working resistance: $R_a \text{ (ohms)} = 25 \dots 450 \text{ Ohm}$ (at I output)

Load resistance: $R_L \text{ >} 15 \text{ kOhm}$ (at U output)

Operation / Media temperature: $-20 \dots +50 \text{ }^\circ\text{C} / -4 \dots +122 \text{ }^\circ\text{F}$

T2-IP65 plastic housing with one M16 cable gland

Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

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Accessories

134B9407
Airflow Sensor KFTF Temp & Humidity

DUCT HUMIDITY- AND TEMPERATURE SENSORS KFTF-MB

Calibratable duct humidity and temperature sensor KFTF-T3 ($\pm 2.0\%$) with Modbus RTU connection, in a resistant IP65 plastic housing with quick-locking screws and M16 cable gland for cable connection and a plastic sinter filter (exchangeable). Including mounting flange to detect the relative humidity (0...100% RH) and the temperature ($-35...+80\text{ }^{\circ}\text{C}$) inside a tube, including various parameters in the humidity measurement. The duct sensor is applied in a non-aggressive and dust-free environment and is suitable for installation in ceilings, ducts and devices.

International SI units (default) can be switched to Imperial (via Modbus).

Measuring range: 0...100 % RH (humidity) / $-35...+80\text{ }^{\circ}\text{C}$ (temperature)

Medium: clean air and non-aggressive, non-combustible gases

Deviation, humidity: typical $\pm 2.0\%$ (20...80 % RH) at $+25\text{ }^{\circ}\text{C}$, otherwise $\pm 3.0\%$

Deviation, temperature: typical $\pm 0.2\text{ K}$ at $+25\text{ }^{\circ}\text{C}$

Zero point offset: $\pm 10\%$ RH (humidity) / $\pm 5\text{ }^{\circ}\text{C}$ (temperature)

Power: 24VAC ($\pm 20\%$) / 15...36VDC - 24DC <1,2W

Operation temperature: $-30...+70\text{ }^{\circ}\text{C}$ / $-22...+158\text{ }^{\circ}\text{F}$

T3-IP65 plastic housing with two M20 cable glands

Housing dimensions: 108 x 78.5 x 43.3 mm / 4.25 x 3.1 x 1.7 in

Image coming soon

134B9408
Airflow Sensor 8148 Temp&Humidity&500Pa

 DUCT HUMIDITY-, TEMPERATURE- AND PRESSURE SENSORS $\pm 500\text{Pa}$ -MB

Maintenance-free duct sensor covering humidity, temperature and pressure in one transducer. Microprocessor-controlled with Modbus RTU connection in a resistant IP65 plastic housing with quick-locking screws and M16 cable gland for cable connection. Including mounting flange to detect the relative humidity (0...100% RH) and the temperature ($-35...+80\text{ }^{\circ}\text{C}$) inside a tube, with an exchangeable plastic sinter filter. A differential air pressure (max. $\pm 500\text{ Pa}$) with connection nozzles for pressure hose ($\varnothing 6\text{ mm}$). The duct sensor is applied in a non-aggressive and dust-free environment and is suitable for installation in ceilings, ducts and devices. International SI units (default) can be switched to Imperial (via Modbus).

Measuring range: 0...100 % RH (humidity) / $-35...+80\text{ }^{\circ}\text{C}$ / $-31... +176\text{ }^{\circ}\text{F}$ (temperature)

Medium: clean air and non-aggressive, non-combustible gases Deviation, humidity: typical $\pm 2.0\%$ (20...80 % RH) at $+25\text{ }^{\circ}\text{C}$ / $+77\text{ }^{\circ}\text{F}$, otherwise $\pm 3.0\%$ Deviation, temperature: typical $\pm 0.2\text{ K}$ at $+25\text{ }^{\circ}\text{C}$ / $\pm 0.4\text{ }^{\circ}\text{F}$ at $+77\text{ }^{\circ}\text{F}$

Pressure range: $\pm 500\text{ Pa}$

Accuracy: 500 Pa/2.0 inWC: typical $\pm 13\text{ Pa}$ at $+25\text{ }^{\circ}\text{C}$ / $\pm 0.05\text{ inWC}$ at $+77\text{ }^{\circ}\text{F}$ Above- #

below-pressure: max. $\pm 50\text{ kPa}$ Power: 24VAC ($\pm 20\%$) / 15...36VDC - 24DC <0,2W

Operation temperature: $-30...+70\text{ }^{\circ}\text{C}$ / $-22...+158\text{ }^{\circ}\text{F}$

Media temperature $-20...+50\text{ }^{\circ}\text{C}$ / $-4...+122\text{ }^{\circ}\text{F}$ IP65 plastic housing two M16 cable glands

Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

For more information, please use this link to visit the product page on Danfoss Product Store

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Image coming soon

134B9409

Airflow Sensor 8147 Temp&Humidity&7000Pa

DUCT HUMIDITY-, TEMPERATURE- AND PRESSURE SENSORS ±7000PA-MB
 Maintenance-free duct sensor covering humidity, temperature and pressure in one transducer. Microprocessor-controlled with Modbus RTU connection in a resistant IP65 plastic housing with quick-locking screws and M16 cable gland for cable connection. Including mounting flange to detect the relative humidity (0...100% RH) and the temperature (-35...+80 °C) inside a tube, with an exchangeable plastic sinter filter. A differential air pressure (max. ± 7000 Pa) with connection nozzles for pressure hose (Ø 6 mm). The duct sensor is applied in a non-aggressive and dust-free environment and is suitable for installation in ceilings, ducts and devices. International SI units (default) can be switched to Imperial (via Modbus).
 Measuring range: 0...100 % RH (humidity) / - 35...+80°C /-31... +176°F (temperature)
 Medium: clean air and non-aggressive, non-combustible gases
 Deviation, humidity: typical ± 2.0 % (20...80 % RH) at +25°C/+77°F , otherwise ± 3.0 %
 Deviation, temperature: typical ± 0.2 K at +25 °C / ± 0.4 °F at +77 °F
 Pressure range: ± 7000 Pa
 Accuracy: 7000 Pa/28 inWC: typical ± 105 Pa at +25 °C / ± 0.12 inWC at +77 °F
 Above- # below-pressure: max. ± 50 kPa
 Power: 24VAC (± 20%) / 15...36VDC - 24DC <0,2W
 Operation temperature: -30...+70 °C / -22...+158 °F
 Media temperature -20...+50 °C / -4...+122 °F IP65 plastic housing two M16 cable glands
 Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in



134B9410

Wall Sensor ATM2 Temperature

OUTSIDE / WET ROOM TEMPERATURE SENSOR ATM2-MB
 Calibratable outside temperature sensor ATM2, PT1000 measure temperature (-50...+150 °C), with Modbus RTU connection, in a resistant IP65 plastic housing with quick-locking screws and M20 cable gland for cable connection. International SI units (default) can be changed to imperial (via Modbus).
 Sensor type: PT1000 class B (DIN EN 60751)
 Measuring range: - 50...+150°C /-31... +176°F
 Deviation: typical ± 0.2 K at +25 °C / ± 77 °F
 Zero point offset: ± 10 °C / ± 50 °F
 Ambient temperature: Measuring transducer -30...+70 °C /-22... +158°F
 Medium: clean air and non-aggressive, non-combustible gases
 Power: 24VAC (± 20%) / 15...36VDC - 24DC <1,2W
 Operation temperature: -30...+70 °C / -22...+158 °F
 T3-IP65 plastic housing with two M20 cable glands
 Housing dimensions: 108 x 78.5 x 43.3 mm / 4.25 x 3.1 x 1.7 in

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Accessories



134B9411 [🔗](#)

Wall Sensor AFTF Temp & Humidity

ON-WALL- HUMIDITY- AND TEMPERATURE SENSORS AFTF–MB

Calibratable outside humidity and temperature sensor AFTF, detect the relative humidity (0...100% RH) and the temperature (–35...+80 °C), including various parameters in the humidity measurement. Applied in clean air and non-aggressive, dust-free environment. With a Modbus connection in a resistant IP65 plastic housing and M20 cable gland for cable connection, with quick-locking screws and an exchangeable plastic sinter filter. International SI units (default) can be changed to imperial (via Modbus).

Measuring range: 0...100 % RH (humidity) / – 35...+80 °C (temperature)

Medium: clean air and non-aggressive, non-combustible gases

Deviation, humidity: typical ± 2.0 % (20...80 % RH) at +25 °C, otherwise ± 3.0 %

Deviation, temperature: typical ± 0.4 K at +25 °C / ± 77 °F

Zero point offset: ± 10 % RH (humidity) / ± 5 °C (temperature)

Power: 24VAC (± 20%) / 15...36VDC - 24DC <1,2W

Operation temperature: –30...+70 °C / –22...+158 °F

T3-IP65 plastic housing with two M20 cable glands

Housing dimensions: 108 x 78.5 x 43.3 mm / 4.25 x 3.1 x 1.7 in



134B9412 [🔗](#)

Airflow Sensor TF65 PT1000 Temperature

DUCT TEMPERATURE SENSOR TF 65

The TF 65 temperature measuring transducer is a PT1000 class B resistance sensor with passive output. Measuring range from –30...+150 °C. In a resistant IP67 plastic housing and M16 cable gland for cable connection and a straight protective measuring tube and a mounting flange.

Sensor type: PT1000 class B (DIN EN 60751) 1000ohm at 0°C ± 0,3 K

Measuring range: –30...+150 °C/ –22...+302 °F

Ambient temperature: –20...+100 °C / –4...+212 °F

Testing current: < 0.6 mA

Insulating resistance: 100 M#, at +20 °C (500V DC)

Connection type: 2-wire connection

Measuring tube: stainless steel, V4A (1.4571), Ø 6 mm, inserted length = 300 mm / 11.8 in

T1-IP67 plastic housing with a M16 cable glands and a mounting flange.

Housing dimensions: 72 x 64 x 37.8 mm / 2.83 x 2.52 x 1.49 in

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134B9413

Airflow Sensor KLQ CO2 & Air Quality

DUCT AIR QUALITY (VOC) AND CO2 SENSOR KLQ-CO2-MB

Maintenance-free duct sensor covering air quality (VOC 0...100 %), carbon dioxide (CO2 0...5000 ppm) and atmospheric pressure (hPa). The air quality is detected by a VOC sensor (mixed gas sensor for volatile organic substances) and include an automatic calibration. It determines the loading of the room air due to contaminated gases such as cigarette smoke, body perspiration, exhaled breathing air, solvent vapors, emissions etc. The air contamination can be selected into different sensitivity ranges as low, medium or high. The CO2 measurement is performed using an optical NDIR sensor (non-dispersive infra-red technology), and the detection range is calibrated for standard applications such as monitoring residential rooms and conference rooms. A microprocessor-controlled solution with factory sensor calibration, Modbus RTU connection in a resistant IP65 plastic housing with mounting flange, quick-locking screws and two M16 cable gland for cable connection. International SI units (default) can be changed to imperial (via Modbus).

VOC Sensor: Volatile Organic Compounds sensor (metal oxide) with automatic calibration

VOC measuring range: 0...100 % air quality; referred to calibrating gas

temperature dependence: ± 5 ppm pro $^{\circ}\text{C}$ or $\pm 0,5$ % of measured value pro

$^{\circ}\text{C}$ (whichever is higher) pressure dependence: ± 0.13 % per mm Hg

Medium: clean air and non-aggressive, non-combustible gases

Power: 24VAC/DC ($\pm 10\%$) 24DC <1,6W

Operation temperature: $-10...+60$ $^{\circ}\text{C}$ / $14...+140$ $^{\circ}\text{F}$

T2-IP65 plastic housing two M20 cable glands

Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in

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134B9414

Antifreeze Thermostat FS20, 0/+15C

TWO-PHASE FROST PROTECTION THERMOSTATS FS-20-UW

Electronic frost protection thermostat or frost monitor with switching relay output, continuous temperature and valve output (summation output 0–10 V) and control and cascading output (0–10 V), optionally with connection for a heating element. A IP65 resistant plastic housing with display with the actual temperature, measuring range, overrange/underrange of the set switch point (frost protection temperature) and alarm indicator for "frost" or "error" (capillary breakage, overvoltage/undervoltage), quick-locking screws and a fully active sensor rod made of copper. The delivery scope includes a set of MK-05-K mounting clamps for expert attachment of the sensor rod.

Measuring range: 0...+15 °C / 32...+59 °F

Accuracy: typical ± 1 K (at +10 °C)

Sensor type: 3m Copper rod active along the entire sensor length, min. response length of 25 cm

Input: 1 x 0 -10 V control input DDC

1 x 0 -10 V output valve (frost signal with control voltage and cascading)

1 x potential-free changeover contact (24 V), range of adjustment 0...+15 °C

Current consumption: max. 100 mA at 24 V DC

Load resistance: RL > 50 kOhm

Ambient temperature: -15...+50 °C / 5...+122 °F (Housing) -20...+60 °C / -4...+140 °F Sensor and capillary tube > 20 cm from the housing.

Power: 24VAC/DC (± 10%) 24DC < 2,4W

T2-IP65 plastic housing with three-line display 70x40 mm (WxH), a M16 cable glands and MK-05-K mounting clamps.

Housing dimensions: 126 x 90 x 50 mm / 4.96 x 3.54 x 1.97 in



175N2584

VLT® EtherNet/IP Modbus TCP gateway

Image coming soon

175U0009

Mounting bracket Kit, 216 x 30 x 18mm

Mounting angle for flatpack resistor 200W



175Z0929

LCP Cable, 3m

Cable for control panel (LCP), 3 meters Works with the following LCP:

Alphanumeric control panel LCP3 - 175N0131

VLT® LCP 102 Graphic Display - 130B1107

VLT® LCP 101 Numeric Display - 130B1124

VLT® LCP 102 Graphic display IP66 - 130B1078

Product group: F1

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185B0010 [🔗](#)

FC-202 Demo Case - 120 Vac Supply

Elevate your sales presentations and on-site training with this high-impact, portable VFD demo kit. Showcasing the Danfoss VLT® FC 202 drive, this suitcase provides a dynamic, hands-on experience for demonstrating the benefits of variable frequency drives in motor control. The integrated flywheel and controls simulate a mechanical load, offering a realistic, visual representation of VFD capabilities. 120VAC Supply (Standard outlet in North America) Dimensions: 24.75 in. x 19.50 in. x 12 in. (63 cm x 50 cm x 30 cm)

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