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## DK 7010.150 Sensors

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FRIEDHELM LOH GROUP



# DK 7010.150 - Sensors for CMC III, PDU, LCP, IoT interface

The differential pressure sensor measures the air pressure at two points and displays the pressure difference between them.

## Features

|                             |                                                                                                                                                                                                                                                                                                            |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model No.                   | DK 7010.150                                                                                                                                                                                                                                                                                                |
| Design                      | Differential pressure sensor                                                                                                                                                                                                                                                                               |
| Benefits                    | Fast connection and automatic detection via plug & play<br>Power is supplied via the CAN-BUS interface.                                                                                                                                                                                                    |
| Applications                | Enclosure monitoring in IT, industry and facility management<br>Monitoring of enclosures, rooms and containers in the IT environment                                                                                                                                                                       |
| Function principle          | Settings can be made via the CMC III processing unit, PDU or IoT interface<br>The differential pressure sensor measures the air pressure at two points in the room and displays the pressure difference between them.<br>The two points in the room are defined using a thin hose connected to the sensor. |
| Material                    | Plastic                                                                                                                                                                                                                                                                                                    |
| Surface finish              | Front: Smooth<br>Enclosure: Textured                                                                                                                                                                                                                                                                       |
| Colour                      | RAL 9005                                                                                                                                                                                                                                                                                                   |
| Supply includes             | Sensor<br>Mounting plate<br>Assembly parts                                                                                                                                                                                                                                                                 |
| Connection to the CAN bus   | Direct                                                                                                                                                                                                                                                                                                     |
| Interfaces                  | 2 x RJ45 CAN bus                                                                                                                                                                                                                                                                                           |
| Dimensions                  | Width: 110 mm<br>Height: 30 mm<br>Depth: 40 mm                                                                                                                                                                                                                                                             |
| Operating temperature range | 0 °C...45 °C                                                                                                                                                                                                                                                                                               |

## Features

|                                   |                                                                                                                              |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Ambient humidity (non-condensing) | 0...95 %                                                                                                                     |
| Packs of                          | 1 pc(s).                                                                                                                     |
| Net weight                        | 0,333 kg                                                                                                                     |
| Gross weight                      | 0,383 kg                                                                                                                     |
| Customs tariff number             | 85319000                                                                                                                     |
| Product description               | DK Differential pressure sensor, for bayed enclosure suites, connection via CAN bus interface, WxHxD: 110x30x40 mm, RAL 9005 |

## Approvals

|              |                           |
|--------------|---------------------------|
| Approvals    | UL + C-UL (listed)        |
| Explanations | Declaration of conformity |