

Product Data Sheet

Differential Pressure Gauge FAD01 (C)

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Author: Manfred Loy

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Field of application

The FAD01 differential pressure gauge is used for measuring differential pressures up to 0.5 bar at operating pressures up to 16 bar.

The differential pressure gauge is a separate unit (external mounting) and adapted to the FCA (direct mounting) and FWS (adapter) housing series.

It is mainly used for monitoring the differential pressure of filter elements. Nevertheless, according to their specifications the differential pressure gauges can be used for differential pressure monitoring with other equipment at any time.



Features

The FAD01 differential pressure gauge measures differential pressures from 0.1 bar to 0.5 bar at operating pressures up to 16 bar. Differential pressure gauges of the FAD series mainly consist of the actual measuring and indication device including the mounting parts required for the specific mounting location.

The basic component of the FAD01 is a measuring element calibrated to 350 mbar, which consists of a diaphragm/magnetic piston spring system. The magnetic piston that is pressed against the spring via the diaphragm at varying differential pressures changes its position depending on the differential pressure and allows for contact-free movement of the pointer unit also provided with a magnetic system or for contact-free switching of a reed contact.

The FAD01 differential pressure gauge has a display on either side which means that it can always be read independent of the mounting situation or the direction of flow. The display area is divided into different colours. They indicate contamination (grey) or a filter element which needs to be replaced urgently (red).

The differential pressure gauge is either supplied with the mounting material for installation to the FCA (FAD01-FCA) or the FWS (FAD01-FWS) filter housings. In addition, both versions are available with a potential free alarm contact (FAD01C-FCA and FAD01C-FWS). The FAD01-FCA and FAD01C-FCA versions can also be used for the G series filter housings from ZANDER.

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Specifications subject to change without notice

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Latest version see www.fstweb.de

Basic data

Model	Nominal volume flow	Max. operating pressure	Min./Max. operating temperature
FAD01	---	16 bar	+2°C - 65°C

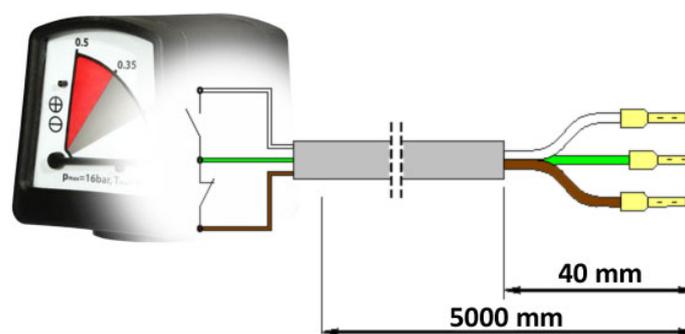
Maintenance rules

FAD01	---
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Product specific data

Differential pressure gauge	
Display	Pointer, analogue
Class of protection of display housing	IP54 (EN60529)
Unit on display	bar
Indication range	0.1 bar - 0.5 bar
Indication accuracy	± 5% of full-scale value
Calibration value	0.35 bar

Potential free alarm contact	
Contacts	NO contact / NC contact
Type of contact	Reed
Switching value	0.35 bar (fixed)
Max. switching voltage (rms)	200 V AC/DC
Max. switching current (rms)	0.5 A AC/DC
Max. switching power (rms)	10 W
Connection	Cable



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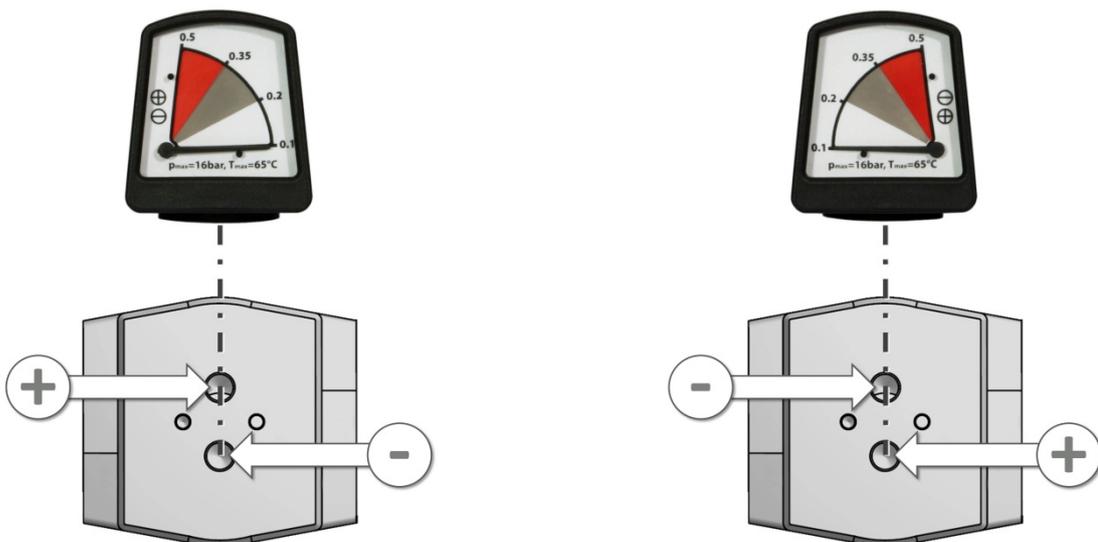
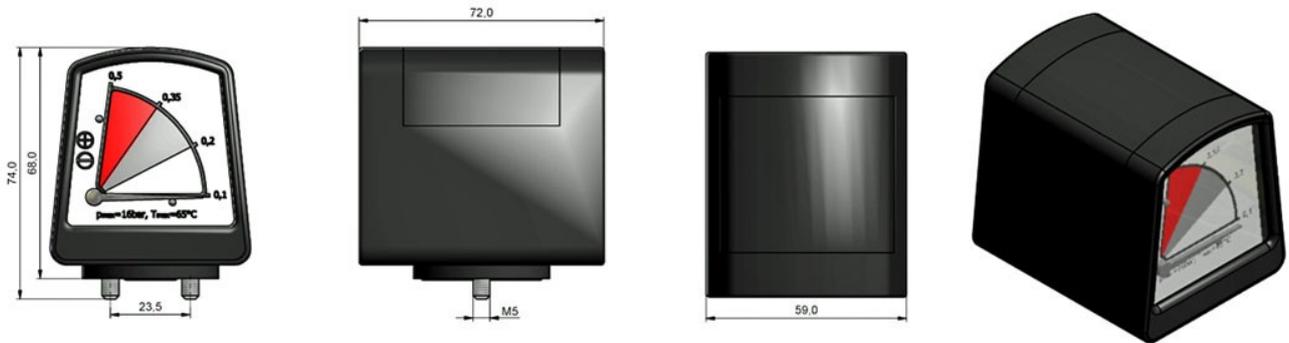
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Materials

Component	
Measuring element	PA6 (polyamide), NBR (perbutane), ferrite (FeNdB chrome-plated), stainless steel, brass
Display housing	PA6 (polyamide) 30% glass fibres, inspection glass: PC (polycarbonate)
Sealing materials	NBR (perbutane)

Connection, dimensions and weight

Model	Height	Width	Depth	Weight
FAD01	68 mm	59 mm	72 mm	0.2 kg



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Classification according to Pressure Equipment Directive 2014/68/EU for group 2 fluids

Model	Volume	Category
FAD01	< 0.01 litres	---

Other Directives

Model	
FAD01	---

Models



FAD01-FCA



FAD01C-FCA



FAD01-FWS



FAD01C-FWS