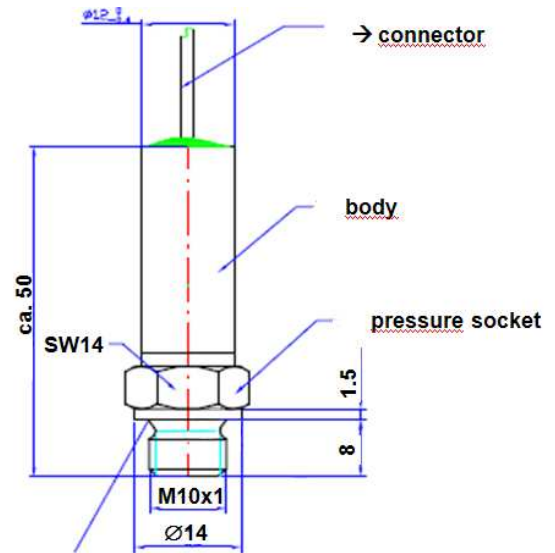


SA-PK010M10HT-000**Pressure sensor high temperature**

screwed end
DIN 3852-FormA

Key Features:

- Pressure measurement 0 to 10 bar
- Signal output 0 to 5V
- Calibrated operating temperature 20-125°C
- Typical application: oil pressure measurement

SA-PK010M10HT-000

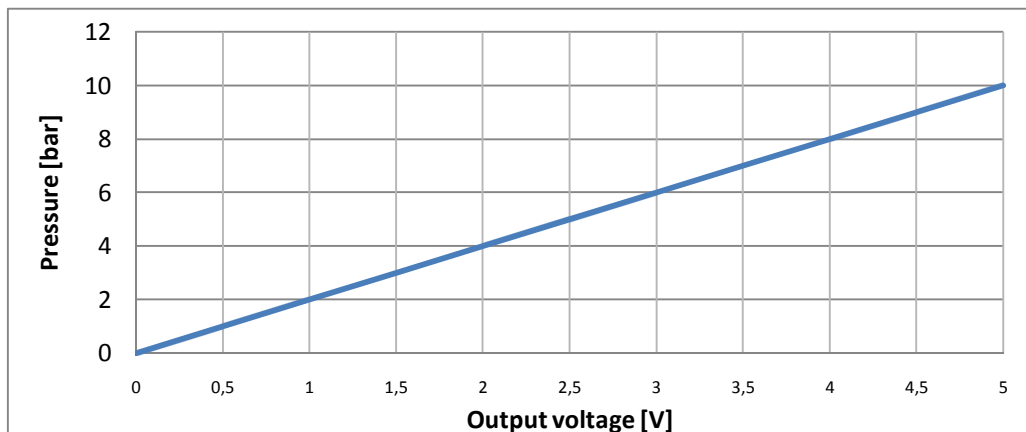
pressure sensor high temperature

Technical specifications

Electrical characteristics		Mechanical characteristics	
Range	bar 0 to 10	dimensions	Refer figure on first page
Supply voltage(range)	V 12-30	weight	g 42.5
Supply current (maximum)	mA 0-20	Pressure port	M10x1
output	VDC fixed 0-5		
Accuracy (combined linearity, hysteresis and repeatability)		Connector	
0..+50°C	%/FS ±1	Deutsch	Binder 719 5PM
-10..+80°C	%/FS ±1.5		
Error free pressure overload	2 x related pressure	Cable	
		Type	Raychem, EPD
		Wire cross section	3 x AWG 24
		Length	mm 200
Environmental data		Vibration resistance	
Sealing class	IP 67	Shock	G 40
Long term stability (1 year)	% FS ±0.3	During a time period of	ms 10
Storage temperature range	°C -40..+125	Vibration tested @	G 12
Calibrated operating temp. range	°C 20..+125	measured with	Hz 1000
		Ordering information	
		To order this product use 2D article number SA-PK010M10HT-902	

Formulas to calculate physical values

SA-PK010M10HT-902		Multiplier				Offset	
12 Bit A/D	Pressure [bar]	=	10/4095	*	Digits	-	0
16 Bit A/D	Pressure [bar]	=	10/65535	*	Digits	-	0
Voltage	Pressure [bar]	=	2	*	Volt	-	0



Connector layout

Pin	Name	Description	Colour
1	AGND	Analog Ground	Black
2	n.c.	Not connected	-
3	+12V	Power Supply	Red
4	n.c.	Not connected	-
5	Signal	Analog signal	white

Connector type

