





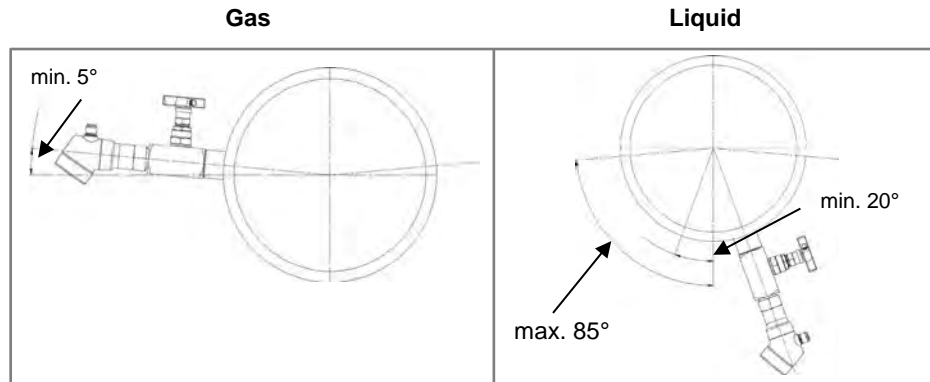


# OPTIBAR PSM 1010 / 2010 Electronic pressure switch

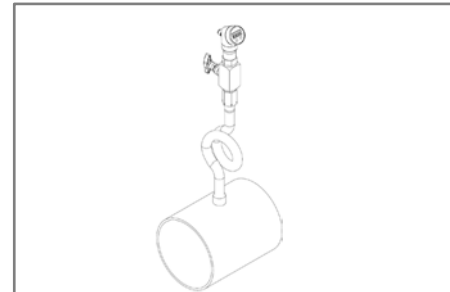
-  Installation, assembly, start-up and maintenance may only be performed by appropriately trained personnel.
-  This instrument complies with the requirements of Pressure Equipment Directive. Please refer to the nameplate for operating condition limits. Instruments must not be pressurised before reading instructions described in the manual.
-  This instrument complies with requirements of Low Voltage Directive. Instruments must not be connected to power supply before reading instructions described in the manual.
-  The responsibility as to the suitability, intended use and corrosion resistance of the used materials against the measured fluid of this device rests solely with the operator.
-  For complete documentation (manuals, supplementary manuals, data sheets and certificates) please refer to [www.krohne.com/Downloads](http://www.krohne.com/Downloads).

## 1 Installation

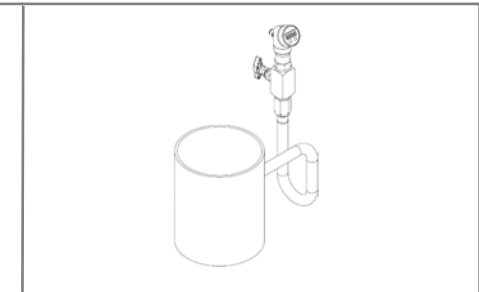
 **WARNING!**  
Install the device only when depressurized and without power!



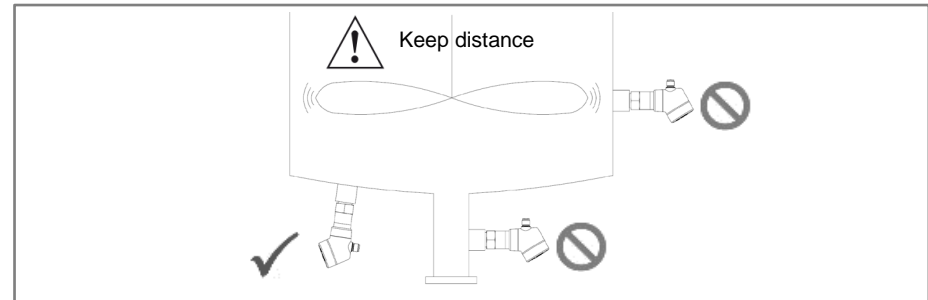
**Steam vertical**





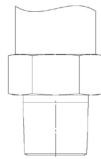
**Steam horizontal**




**Level**




**Process Connections**

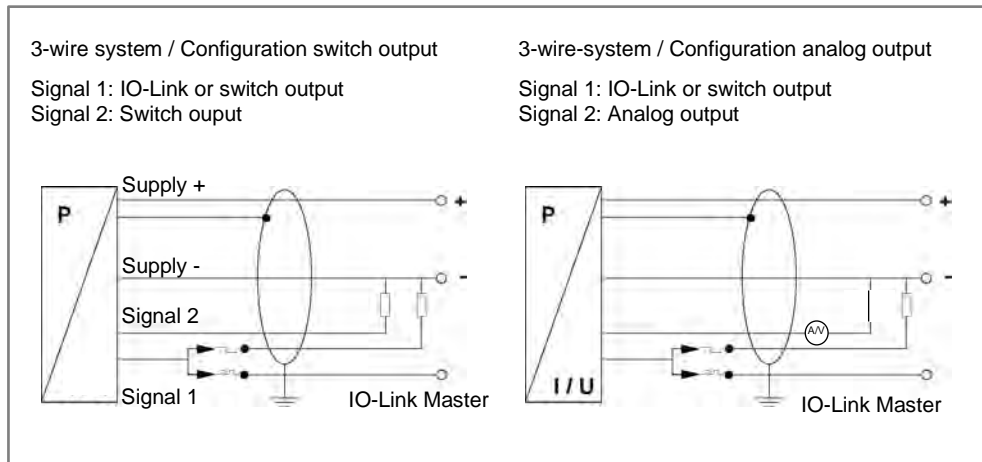
Connections acc. to DIN 3852	Connections acc. to EN 837	NPT connections
 G1/4": ~ 5 Nm G1/2": ~ 10 Nm	 G1/4": ~ 20 Nm G1/2": ~ 50 Nm	 1/4" NPT: ~ 30 Nm 1/2" NPT: ~ 70 Nm

 **NOTE!**  
For hygienic process connections, please refer to corresponding standard and supplementary manual!

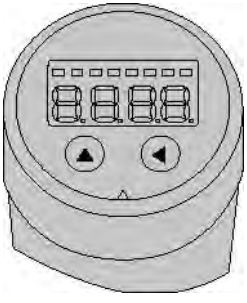
## 2 Electrical connection

**⚠ Gefahr!**  
 Die Arbeit am elektrischen Anschluss darf nur bei getrennter Spannungsversorgung durchgeführt werden.  
 Beachten Sie die Angaben zur Versorgungsspannung auf dem Typenschild.  
 Beachten sie die national gültigen Richtlinien für elektrische Installationen.

		
Elektrical connection	Description	M12x1 (4-pin)
Supply +		1
Supply -		3
Signal 1	IO-Link / PNP / NPN switchable (SIO)	4
Signal 2	PNP / NPN / 4...20 mA / 0...10 V switchable	2
Shielding		Pressure-port



## 3. Quick Setup

	Key	Description	Function
	▲	Short press	Skip through menu 1-5
	▲	Long press	Count up parameter values quickly
	◻	Short press	Select option within one menu
	◻	Long press	Save adjusted value and jump pack to current menu
	▲ + ◻	Press both simultaneously	Jump back to indication

The following table shows an extract of the adjustment possibilities. For further options, please refer to the manual.

Meas.		Menu A		Menu B	Adjustment
		SP1   FH1			Switch-on point 1 (SP1) Upper pressure threshold 1 (FH1)
	▲	rP1   FL1	◻		Switch-off point 1 (rP1) Lower pressure threshold 1 (FL1)
		SP2   FH2			Switch-on point 2 (SP2) Upper pressure threshold 2 (FH2)
		rP2   FL2			Switch-off point 2 (rP2) Lower pressure threshold 2 (FL2)
		ASt2   AEn2			Analog output 2: Zero (+/- 5%) and Span (90-100%)
		EF		ou1	Switch-output 1: Select function
				ou2	Switch-output 2: Select function
				Uni	Select pressure unit

## Contact

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