

# KPH300 MECHANICAL PRESSURE SWITCH



Flow  
Pressure  
Level  
Temperature  
Measurement  
Monitoring  
Control



- Switching Ranges from 3-30 to 450-4600 PSIG
- Field Adjustable Setpoint
- Diaphragm or Piston Type Sensing Element
- Micro-Switch Contact
- Reliable and Economical
- Excellent OEM Product



P3



## USA

KOBOLD Instruments Inc.  
1801 Parkway View Drive  
Pittsburgh, PA 15205  
PH: +1 412-788-2830  
FAX: +1 412-788-4890  
E-MAIL: info@koboldusa.com



## CANADA

KOBOLD Instruments Canada Inc.  
9A Aviation  
Pointe-Claire, QC H9R 4Z2  
PH: +1 514-428-8090  
FAX: +1 514-428-8899  
E-MAIL: kobold@kobold.ca



## MEXICO

Camino Dorado 131  
Misión Cimatario  
Querétaro 76087, Qro.  
Mexico  
PH/FAX: +52 (442) 295 1567  
E-MAIL: contreras@kobold.com

Visit KOBOLD Online at  
[www.koboldusa.com](http://www.koboldusa.com)

Model:  
**KPH300**



**Description**

The KPH300 is an excellent choice for pressure switching applications that require a reliable solution and low cost. The KPH300 utilizes the proven diaphragm or piston sensing technology depending on the measuring range chosen. The setpoint and hysteresis are field adjustable via a 2 mm hex nut adjuster protected from the elements beneath the DIN 43650 electrical connector. The switch can also be factory set at the setpoint you specify. The SPDT micro-switch contacts are silver plated for extended service life. The combination of high reliability design and low cost makes the KPH300 an excellent choice for OEM and end user applications alike.

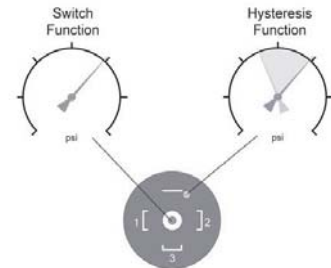


**Specifications**

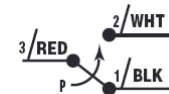
**Applications:** Liquids or compressed gases compatible with the wetted materials  
**Pressure Ranges:** 3-30 PSIG to 450-4600 PSIG  
**Fitting:** 1/4" NPT male, others available in OEM quantities  
**Measuring Element**  
**At or Below 225 PSIG:** NBR diaphragm  
**Above 225 PSIG:** Steel piston with NBR seal

**Wetted Materials:** Zinc plated steel and NBR  
**Housing Material:** Thermoplastic  
**Operating Temp. Range:** -4°F to 176°F  
**Setpoint Repeatability:** ±2% of the full scale range  
**Setpoint Hysteresis:** 10% to 30% of the adjusted value  
**Contact Rating:** 4 amps to 120 V<sub>AC</sub>, 4 amps to 250 V<sub>AC</sub>, 2 amps to 28 V<sub>DC</sub>  
**Electrical Connection:** DIN 43650 plug w/ cable gland  
**Electrical Protection:** NEMA 4/ IP65

**Wiring Diagrams and Electrical Connections**



**Switching Output Schematic**



**Dimensions**



KPH300 Ordering Information					
KPH300-	= Mechanical Pressure Switch				
	<b>Switch</b>				
	1	= Single Changeover contact, SPDT			
		<b>Fitting</b>			
	2	= 1/4" NPT male (Std.)			
		<b>Pressure Range</b>			
	3/30	= 3 PSIG to 30 PSIG (max pressure: 870 PSIG)			
	7/115	= 7 PSIG to 115 PSIG (max pressure: 870 PSIG)			
	15/225	= 15 PSIG to 225 PSIG (max pressure: 870 PSIG)			
	150/425	= 150 PSIG to 425 PSIG (max pressure: 5000 PSIG)			
	150/1150	= 150 PSIG to 1150 PSIG (max pressure: 5000 PSIG)			
	150/1700	= 150 PSIG to 1700 PSIG (max pressure: 5000 PSIG)			
	150/2300	= 150 PSIG to 2300 PSIG (max pressure: 5000 PSIG)			
	300/2900	= 300 PSIG to 2900 PSIG (max pressure: 5000 PSIG)			
	300/3600	= 300 PSIG to 3600 PSIG (max pressure: 5000 PSIG)			
	450/4600	= 450 PSIG to 4600 PSIG (max pressure: 5000 PSIG)			
		<b>Electrical Connection</b>			
	1	= 36" cable (attached to option 8)			
	8	= Hirschmann connector (DIN 43650 A)			
KPH300-	1	2	150/1700	8	<b>Example Order Code</b>

No responsibility taken for errors; subject to change without prior notice.