

**PROCESS  
AUTOMATION**

# **HBSO • HBSC • HBSR LEVEL SENSORS FOR TOUGH ENVIRONMENTS**

Service minded split design...



*Operates in most  
types of Liquids*

Your Sensor Specialist  
[www.hbproducts.dk](http://www.hbproducts.dk)

**We Know how**

HB Products  
Your partner for  
individual positioning  
and sensing solutions.



**HB**

**Products**

**POSITION & LEVEL SENSORS**

**HBS Capacitive sensors designed for industrial applications and long term function.**

**Liquid level sensors for Oil, CO<sub>2</sub>, NH<sub>3</sub>, HFC refrigerants, brine, waste water, ect.**

**No maintenance or cleaning required. Unaffected by foam, splashing and coating. Resists high pressures and temperatures. Distinctive LED indication.**

**Split design for easy mounting and testing without depressurization.**

## PROCESS AUTOMATION

Applications:

- Oil Management Control
- Compressor Protection
- Alarm High and Low Level
- Liquid Level Control

Advantages:

- High Pressure applications
- Replace Sight Glass
- LED indication
- No moving parts
- Split design
- Easy replacement without depressurization

Manufactured by:



**HBSC2 → CO<sub>2</sub>**

**HBSO1 → OIL**

**HBSR → NH<sub>3</sub>, BRINE, HFC, ect.**

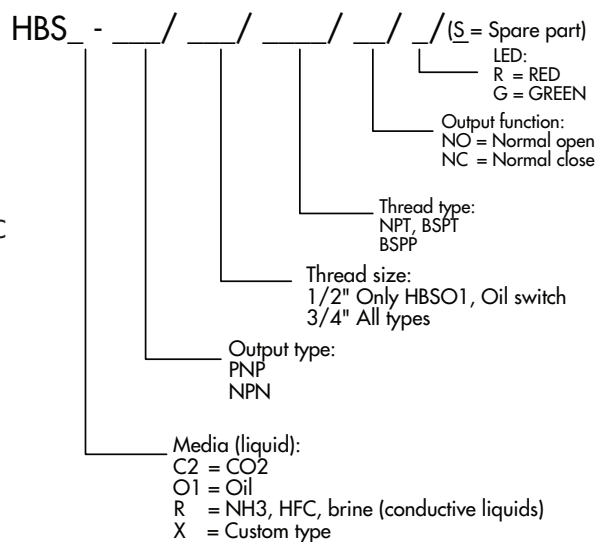
**HBSX → CUSTOM TYPE**

**Data sheet available for each sensor type.**

### SPECIFICATIONS:

Power Supply:	11 to 30V DC
Current consumption:	Max 5mA
Output:	ON/OFF, PNP or NPN, NO/NC
Output current:	Max 50mA
Indicating:	LED Green or Red
Media temp.:	-56...to +100deg.C
Ambient temp.:	-25...to +60deg.C
Material sensorpart:	Stainless Steel AISI304/PTFE
Mechan. Connection:	1/2" - 3/4" NPT, BSPT or BSPP
EMC test:	EN Industrial
Vibration:	IEC 68-2-6, 4g 2 to 500Hz
Pressure:	Max. 170bar.

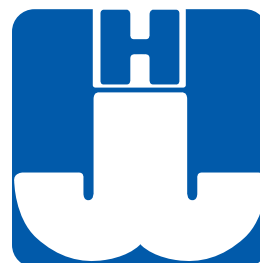
### ORDERING CODE:



### ACCESSORIES:

- Mounting Adaptors for sight glass replacement on compressors
- HBPA Power Adaptor designed for high voltage connection (switching solenoid valves directly)
- HBHE Heating Element recommended for low temp. applications (below -30 deg.C)

### DISTRIBUTOR:



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