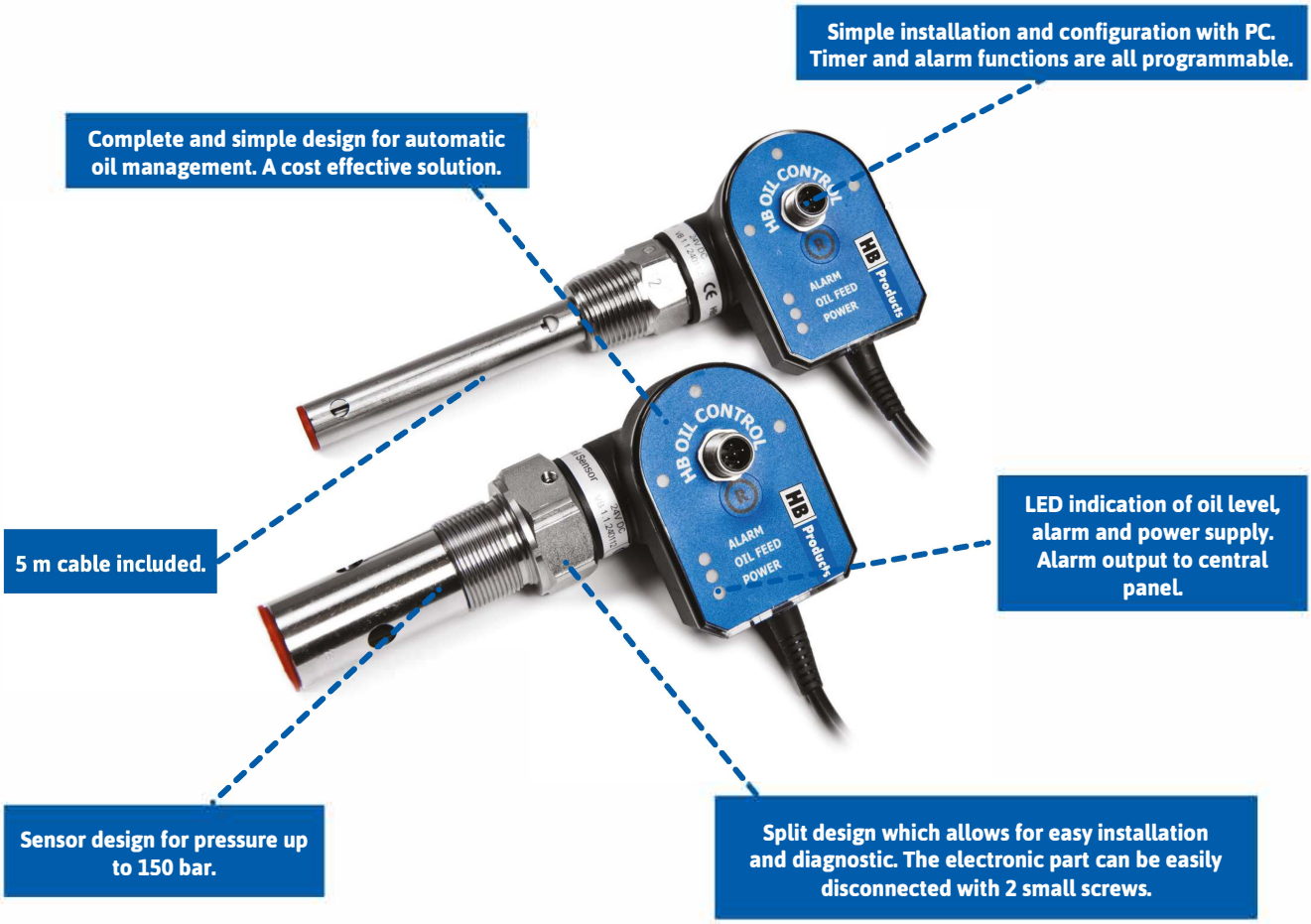
HB Products WE INCREASE UPTIME, SAFETY AND EFFICIENCY

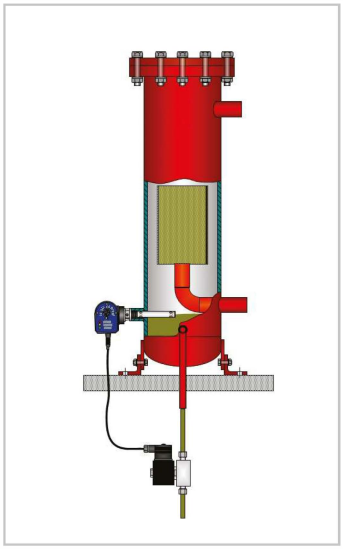
Oil Level Controller / Management

Category: HBOC/C



Functional description:

HBOC/C is an intelligent sensor with a built-in microprocessor. It is designed to detect and control oil levels in oil separators and compressors. Apart from the sensor function, it also has a built-in controller. The controller can be setup with all the parameters that are necessary to directly regulate a solenoid valve for oil level control.



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Technical data - sensor

Power supply		Mechanical specifications	
Voltage	24 V DC + 10%	Thread connection	See ordering code
Current draw	Max 30 mA	Material – mechanical parts	½", ¾" & 1 1/8
		Material – electronic parts	Nylon 6 (PA)
Plug connection	M12 – 5 pins DIN 0627	Dimensions	See drawing
Output		**Environmental conditions**	
Transistor output	PNP/NPN	Ambient temperature	-30...+50°C
Potential-free relay output	Max 1 A (24W)	Oil temperature	0...+80°C
LED Indication	LED (green, yellow, and red)	Max pressure	150 bar
Max. load	24 W	Protection degree	IP65
Cable specification (power supply)		Vibrations	IEC 68-2-6 (4g)
Cable size	3 m - 3 x 0,75 mm2	**Accessories**	**(to be ordered separate)**
Cable glands	PG7 / M8	Compressor adaptor	HBS/ADAP/FLANGE/UNI
Approvals		Programming cable	HBxC-USB
CE	EN 61000-2	Oil Ejector (0,1 l / min)	HBEJ-0.05-G3/8-MK2
Configuration			
Type of configuration	PC tool		
Tool to be used	HB software		

Technical data - valve regulation

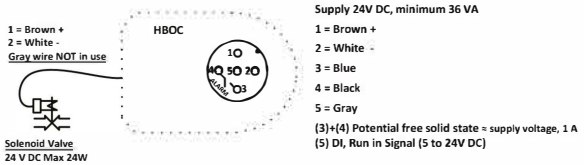
Valve control	
Signal to valve	ON/OFF
Valve regulation	Time-regulation
Cable specification (valve control)	
Length	3 m (118")
Cable size	3 x 0.75 mm2
Cable glands	PG7 / M8

Mechanical dimensions

Ordering code

House design	Thread type	Ordering code
Angle	1/2" NPT	HBOC/C-1
Angle	3/4" NPT	HBOC/C-2
Angle	3/4" BSPP	HBOC/C-6
Angle	1 1/8" UNEF	HBOC/C-7

Electrical installation



Spare parts

Position	Specification	Type	Ordering code
1	Mechanical parts	1/2" NPT	HBSO1-MEK-1
		3/4" NPT	HBSO1-MEK-2
		3/4" BSPP	HBSO1-MEK-6
		1 1/8 UNEF	HBSO1-MEK-7
2	Electronic part	PC-programmable	HBOC/C-EL