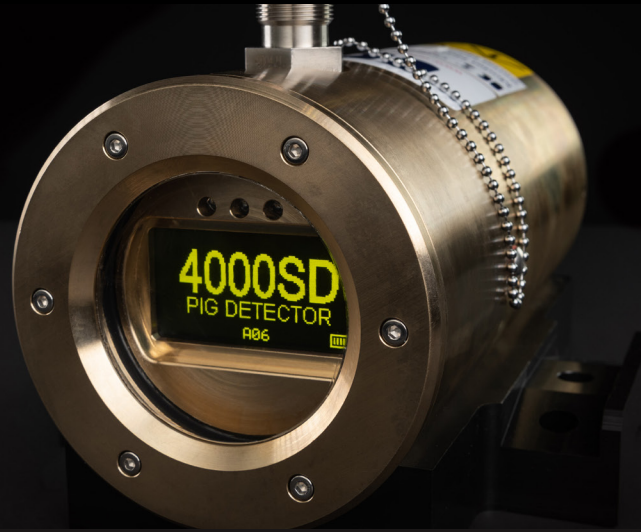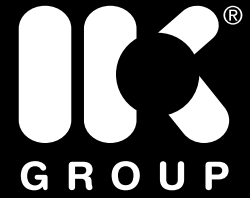# 4000SD SUBSEA MAGNETIC SIGNALLER //

IK GROUP ®

THE 4000SD PIG SIGNALLER IS A COMPACT, SELF-CONTAINED, NON-INTRUSIVE, MAGNETIC PIG SIGNALLER SUITABLE FOR HARSH SUBSEA APPLICATIONS. THE 4000SD DETECTS, LOGS AND SIGNALS (VIA THE DISPLAY AND LEDS) THE PASSAGE OF MAGNETIC PIGS AT CRITICAL POINTS ALONG A SUBSEA PIPELINE.

Key Benefits:

- Use of the 4000SD can result in time and therefore cost savings.

- Removes any uncertainty over confirmation of pig passage.

- Quick and easy installation using ratchet straps or custom ROV cradle.

- Minimal set up required ensuring time is not lost setting up multiple parameters.

- Versatile - can be installed on any pipeline with wall thickness up to 40mm, carrying any medium and with pigs running at varying speeds.

INNOVATIVE KNOW-HOW

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The unit can log the time and date of up to 99 pig passages. This logged information can be viewed at any time locally using the integrated, high visibility, OLED display or transmitted remotely over several optional interfaces. The user can turn the unit ON and OFF as well as modify several settings using the single control button and intuitive menu system.

The detection capabilities vary depending on the background magnetic noise, pig speed, pipeline diameter, wall thickness and the quality of magnets fitted. It is recommended that pigs are fitted with rare earth magnets (neodymium iron boron) to maximise the magnetic signal.

PRODUCT SPECIFICATION//

Battery Type	10.5V Alkaline battery pack
Battery Life (SIGNALLING)	30 days (STANDARD POWER MODE at +0°C)
Battery Life (LISTENING)	36 days (STANDARD POWER MODE at +0°C)
Battery Life (LISTENING)	110 days (LOW POWER MODE at +0°C)
Operating temperature range	-5°C to +70°C (+23°F to +158°F)
Operating Depth	3,000m (9,842ft)
Logging Capacity	99 events
Weight in air (including delrin mount)	14.1kg (31lbs)
Weight in water (including delrin mount)	9.1kg (20lbs)
Length	249mm (9.8")
Height (including delrin mount)	160mm (6.3")
Width (including delrin mount)	197mm (7.8")
Pig Speed Range	0.01m/s to 20m/s
Housing Material	ALLOY BRONZE CA 104 EN 12163

OUTPUT OPTIONS//

Serial data communication	RS232
Remote communication	Acoustic Data Transducer
Relay Outputs	DPDT, 30VDC @ 1.0A
Transistor open-collector output	30V, 0.1A
Switched voltage output	Vbatt, 0.05A

AUXILIARY ITEMS//

ROV Switch, strobe to locally indicate pig passage & ROV deployable cradle.

**INNOVATIVE
KNOW-HOW**

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