

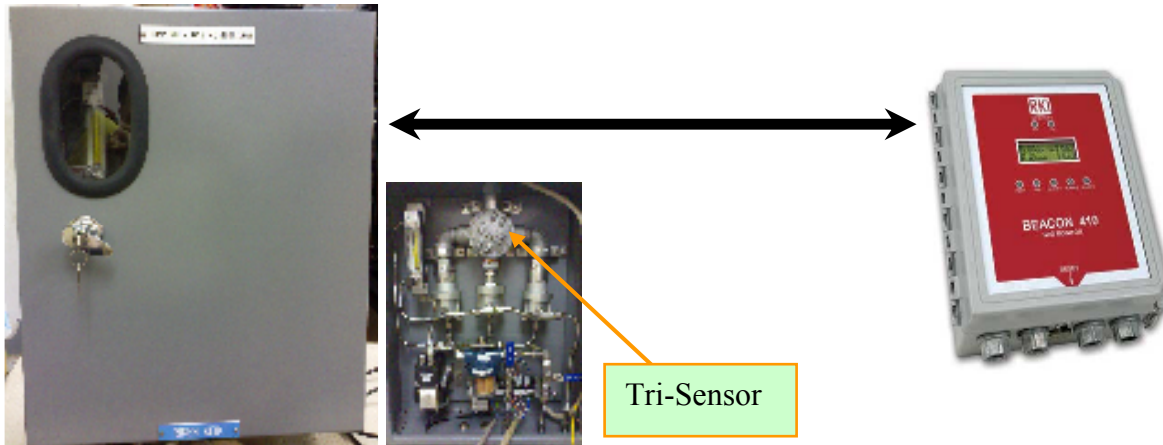


# Three Gas Sampling System for Vessel Pump Room Monitoring

For HC/H<sub>2</sub>S/O<sub>2</sub>

SYSTEM  
MODEL

BEACON 410-VPR



## FEATURES

- Simultaneous detection of HC; H<sub>2</sub>S & O<sub>2</sub>.
- Using RKI's New Tri-sensor in ex-proof housing.
- Sampling Panel rated for IP65.
- Beacon 410 Controller with ABS Approval.
- Continuous Sampling Draw Detection.
- Available for interfacing to CCR or other systems using the standard 4~20mA Signal or MODBUS Communication.
- Ideal for Pump Room Maintenance and Repair situations.
- Optional for monitoring three similar gases at the same time.

R K INSTRUMENTS(S) is proud to introduce a low cost 3-gas sampling system for measuring vessel's pump room conditions. It is capable of continuously monitoring Hydrocarbons (HC); Hydrogen Sulphide (H<sub>2</sub>S) and Oxygen (O<sub>2</sub>) in the pump room using RKI's new Tri-Sensor in an ex-proof housing. This new sampling systems results in significant savings with installation and wiring costs versus traditional single sensor applications. The sampling system was designed and targeted mainly for small to medium size vessels with sensors that are M.E.D. approved type.

The Beacon 410 controller continuously display all 3 sensors with gas name and concentration at all times. Each channel alarm condition can be individually programmed with individual contact outputs for remote alarm indication to repeater panel or the CCR. The controller also has a standard 4~20mA dc and Modbus digital communication to any other digital system in the CCR that accepts these protocol.

**R K INSTRUMENTS (S) PTE LTD**

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**SYSTEM  
MODEL****BEACON 410-VPR****Specifications**

<b>PART #</b>	<b>PM22938-86</b>	<b>65-2483RK</b>	<b>Beacon 410</b>
Description	Sampling Pump	Tri-Sensor Head	Controller / Indicator
Operating Voltage	100vac.		
Operating Temperature	+5 ~ +40 Deg.C	Refer to Tri-Sensor Head Specifications	Refer to Beacon 410 Specifications
Type	Diaphragm (EPDM)		
Flow Rate	3.0 ~ 3.5 LPM		
<b><u>Sampling Panel</u></b>			
Operating Voltage	100 VAC.		
Operating Conditions	0~40 Deg C; <90%RH.		
Panel Housing	SUS with powder coating, Grey, Wall mounting, IP65 rating.		
Sampling Flow	3.0 ~ 3.5 LPM		
Operating Conditions	0 ~ +40 Deg.C		
Rating	IP65; Outdoor or Indoor		
Accessories	Stainless steel tubing of 8mm dia. RC 1/4 inch.		
Panel Dimensions	420 (L) ×520 (H) x 180 (D) mm		
Options	3 points Sampling of the same gas is available.		

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