Quality Since 1988
S-KUMAR
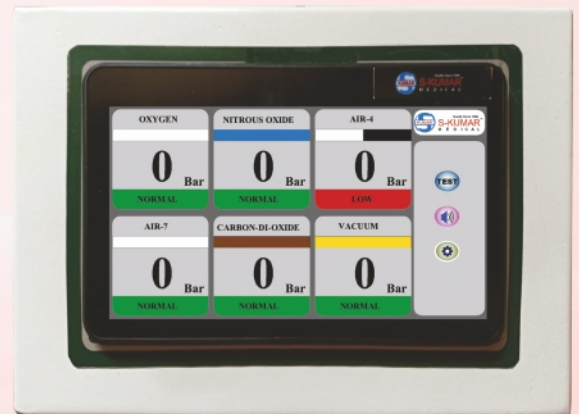MEDICAL

Med-Touch ®
Alarm for Medical Gas Pipeline System

1- Gas 4.3 Inch Display

3- Gas 7 Inch Display

6- Gas 10.1 Inch Display

▍ **Touch Screen LCD Display**

▍ **Heavy Duty Sensors**

▍ **Audible & Colored Visual Caution**

Features

◆ Illuminated LCD Touch screen Display for "LOW", CAUTION","NORMAL", CAUTION","HIGH" for Each gas excluding vacuum (only "LOW","CAUTION","NORMAL").

◆ Touch screen display available in Different sizes such as 4.3",7", 10.1" inch Display.

◆ Microprocessor based Alarm with 12bit ADC resolution.

◆ Pressure sensing through ceramic core sensors.

◆ Sensors will be directly fitted into the pipelines and communication will happen thru wireless.

◆ Parameter setting ,pressure unit display & audio mute option available.

◆ Alarm status will be visible through RS485 & CAN bus protocol communication available on Master Alarm.

◆ Supports CAN bus communication protocol for BMS interface.

Conforms to: IS / ISO 7396 - 1 : 2016, HTM 02-01 Part A, IS / ISO IEC 60601 – 1 : 2015 + A1 : 2020
ISO 18082 : 2014 + A1 : 2017

Certifications: ISO 13485:2016 – Medical devices – Quality Management Systems
ISO 9001:2015 - Quality Management Systems

CE

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Conforms to BS EN ISO 7396-1:2016, HTM 02-01 Part A & BS EN 60601-1-8:2007 & ISO18082: 2014 + A1 : 2017	
	Class II b - MDR 2017 / 745
Body	Fire retardant dust-proof CRCA 18 SWG steel enclosure
Finish	Powder coating - Enclosure RAL 9010 (As per customer requirement)
Mounting type	Horizontal - Surface mountable
Enclosure dimensions	1 Gas alarm - 250 x 150 x 60, 3 Gas alarm - 300 x 245 x 60 and 6 Gas alarm - 375 x 245 x 60 (L x H x W in mm)
Gas services	1, 2, 3, 4, 5 Gas including Vacuum & I Gas excluding vacuum.
Power connection	External 12 V DC adapter for audio visual display
Warning system	Microprocessor based warning module adjustable in-situ to set operational parameters and digital pressure unit in psi, bar or kg/cm^2
Display & Audio signal	Digital & illuminated LCD display for "Normal", "Caution", "High" & "Low" with High / Low alarm set points for each gas (Low only for Vacuum) service.
	LCD display coupled with audio warning in case of preset deviation with the provision to "Mute" audio signal for 15 minutes max.
Sensors	Accurate, calibrated & temperature compensated Ceramic core pressure Sensors Sensing pressure span: 60m bar to 10 bar	1 psi to 150 psi Digital Output Temperature span: $0^\circ C$ to $50^\circ C$ ($32^\circ F$ to $122^\circ F$) for gases (-) $20^\circ C$ to $85^\circ C$ {(-) $4^\circ F$ to $185^\circ F$} for Vacuum. Accuracy: 1% of FSS BFSL
Protection	Class II & IP 54
Certifications	Class I - MDD 93/42/EEC Medical Device Quality Management Certificate: ISO 13485:2016 Quality Management System Certificate: ISO 9001 : 2015

Ordering Code:

Device Name	Device Mode	Device Description	Device Code
Touch Screen LCD Display Alarm	Wall Mount	Single Gas	TSA - 1G
		3 Gas including Vacuum	TSA - 3G
		6 Gas including Vacuum	TSA - 6G

S-Kumar Engineering Works

Register office:
14, Raju naidu 2nd street
Behind Lotus Hyundai Showroom
Ganapathy, Coimbatore - 641006

Machinery unit:
7/50-3, Keeranathan Road
Opposite to CRI RANSAR Ltd
Keeranatham, Coimbatore - 641035

Fabrication Unit:
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Keeranatham Road
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