We support Indigenisation and Make in India!



We use indigenous latest technologies to suit Naval requirement

Electronic Control communication modules

We replace existing systems with new technologies and new techniques

Products for parametric measurement of level, flow, temperature & pressure

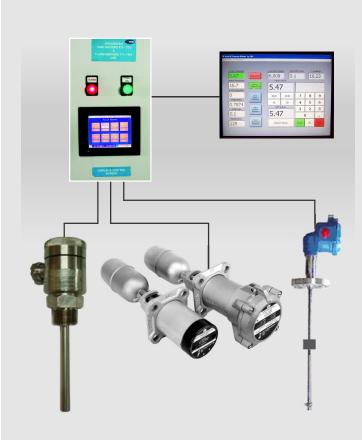


Partner for Level & Flow Measurement

Tank Gauging Systems

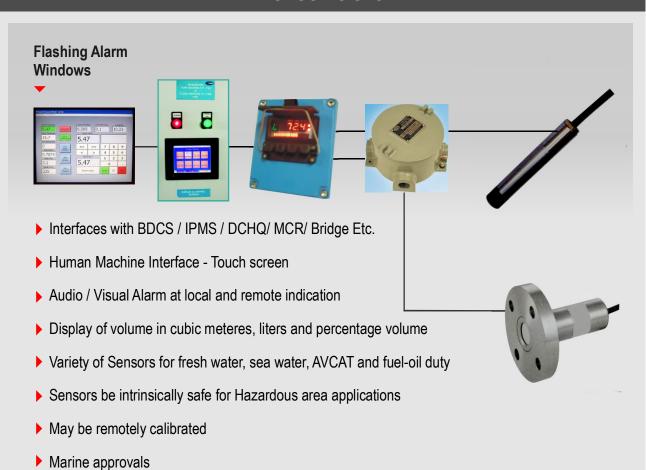
Flood Warning Systems

ADDRESSABLE FLOOD ALARM SYSTEM - AFAS



- ► The capability to interface with BDCS/ IPMS / DCHQ/ MCR/ Bridge Etc.
- Audio / Visual Alarm at local and remote stage.
- ► MODBUS protocol or any other standard protocol available.
- > System confirms to JSS-55555.
- ▶ Built in diagnostic in sensor and system.
- Sensors with self-test feature and cable fault tolerance.

TANK GAUGING SYSTEM



ILMS/ Patternised Products (Vendor Code ES9949V-)

Phase Capacitance Level Sensor, CLS/ CLR/ PCLS. Indication and Display System - IDU

Applications

- · EKM Class Submarines.
- · Conductive liquids with low / medium viscosity like water, water bound solutions.
- · Fresh water / Salt water.

- Specifications
- Temperature : -10 ° C to 55 ° C
- Pressure: Up to 30 kg/cm2
- Measuring Accuracy: +/-2.5%
- Protection: Wheatherproof IP67 Design



Ultrasonic Level Switch ULS/ ULR/ SULS

Applications:

- · Marine & Naval:
- · Detection of water Sea water, fuel oil, etc.

Specifications

- OperatingTemperature : -10 ° C to 55 ° C
- Operating Pressure : Up to 45 kg/cm2
- Tripping Point: +-5mm
- · Protection: IP68



Fuel Water Sensors

• Function of the Fuel Water Separation sensor Applications is to identify change in flowing medium

Product Features

- · Rugged construction.
- Type tested for naval and marine use.
- Environmental Test comply to JSS 55555 and
- EMI / EMC as per MIL standard 461 E/C.
- · Remote Level Alarm.
- Max pressure (wet side) at sensor: 40kg/cm2

- To check the level of fuel Sea water boundary on board the ship.
- · LSHSD & Sea water interface

Specifications

- Power Supply: 220V, 400Hz, +-10%
- Output: Relay energized / deenergised in presence / absence of liquid.
- Max Pressure [wet side] at Sensor : 40 kg/cm2.



Hydrostatic Pressure Transmitter 171 HLT - Tank Gauging System

· Product Features

- · Continuous Level Measurement upto 20 Meter wetted / Exposed parts in Stainless Steel
- · Loop Powered 2 Wire 4-20 mA.
- · Strong Diaphragm.
- · Wide range of process connection.
- Intrinsically safe version for Hazardous area.

Applications

· Tank guaging System for AVCAT Tank, FW Cargo Tanks, Service Tanks, Level measurement in Ballast Tanks, HFO Tanks.

Specification

- Mounting Variation Cable Suspended, Cable Suspended Clamp, Pole Mounted, External Flanged or Threaded on Tank.
- Accuracy +/- 0.2% FSD.
- Protection IP 68 (Suitable for Continuous Immersion).
- Operating Temperature 10°C to 80°C.



Tank Level Indicator 103HTL - Remote Display

· Product Features

- · Excellent for Tank Guaging and Marine onboard use.
- Selectable Display for Product Level, Volume % level and % Volume.
- 64 Point Strap Entry for Volume.
- · Site Programmable.
- · Interface to MCR / Bridge.
- Applications
- Tank guaging System for AVCAT Tank, FW Cargo Tanks, Service Tanks, Level measurement in Ballast Tanks.

- Input Specification 4-20mA.
- Indication Accuracy +/- 0.1% of Full-scale +/-1digit.
- Digital Output RS485 modbus master / slave output to connect MCR / Bridge.
- · Set Points & Control Action Two Nos Relay Output.(On Off).
- Protection Weather IP 67.
- Ambient Temperature 0°C to 55°C.
- · Explosion Safety Intrinsic Safety provided through Certified Zener Barrier.



SBEM was established in 1974 and is India's market leader in Level instrumentation. With a futuristic approach and a warm beginning in providing Oil companies, with Tank Level Gauging solutions, SBEM has evolved into an organization offering multiple products. SBEM Pvt. Ltd. has established itself as a FLOW MEASUREMENT solutions provider. SBEM is an ISO-9001 certified company, with a DSIR approved R&D Centre. SBEM's core strength is its ability to custom design solutions for each application and customers from every industry - INDIAN NEAVY, Thermal Power, Steel, Cement, Public Health Engineering.

SBEM in a capsule:

- 100% Indigenous Level Measuring instrument since 1978.
- One of first SSI's to obtain ISO 9001:2008 certification in India.
- The only 100% indigenous Servo Gauge in 1992.
- Indigenously developed Phased Capacitance Level Transmitters and Ultrasonic Switches for Indian Naval Submarines.
- Pioneered Magnetostrictive Probes for Automotive LPG Dispensing Stations (ALDS).
- Accurate Magnetostrictive Level Probes for Retail Outlet Automation.
- · Weight and measures model approval.
- Third party certification for functional safety.
- What sets us apart from our competition is our extensive application engineering knowledge gathered over 3 decades + of successful supply to users installations in India and abroad.

FLOW LABORATORY

Laboratory accredited by NABL as per ISO/IEC 17025:2005 Lab No.: C-0828





Certificate No. C-1247

- SIL 2 Certification.
- DSIR Recognition of in house R&D unit.
- · DRDO Registered.









Multiple technologies for level and flow measurement.

- Ultrasonic
- Magnetostrictive
- Float

- Hydrostatic PressureCapacitance
- Conductivity
- ▶ TDR: Time Domain
- Pulse Radar
 Reflectometry based

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