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## **BALLAST TANK LEVEL MASTER** System for *Tank Level Gauging* *In accordance to IMO and Oil major requirement*

### **Features**

- High Reliability
- Monitoring & Alarming functions
- Compact Design
- Easy Maintenance
- Intrinsically Safe
- Class Approval by major classification societies



Control panel for ballast tank level gauging

### **Principle of Operation**

BTLG Series – Ballast Tank & Tank Level Gauging Monitoring and Alarm System is designed using the air purge method. An air supply is being fed through the purge meter which regulates the required air flow from the top of purge pipe. When the air pressure (P) built-up inside the purge pipe till it is equal to the static pressure in the liquid, air are being discharged through the purge mouth at the tank bottom and goes up in the form of bubbles. The pressure in the pipe (measuring depth) is transferred to the indicator in the control room by signal for remote indication.

BTLG Series is developed to comply with IMO and oil major requirement for Ballast Tank & Tank Level Gauging System. Suitable for marine and offshore installations in chemical parcel tankers, chemical/product tankers, oil tankers, FSO, FPSO etc.

**TECHNICAL SPECIFICATION**



- Model : Monitor panel: BTLG-n  
(n: number of monitoring detectors)
- Principle : Air Purge
- Accuracy : 0.1%
- Alarm Display : Red Lamp and Buzzer
- Alarm Level : Adjustable
- Alarm Function : When liquid level exceeds the alarm level,  
alarm lamp, buzzer and common relays will come on
- Other Alarm : Power fail alarm (Optional)
- Alarm output : External relay contact
- Power Source : AC220V, AC110V or DC24V
- Power Consumption : 6W Max per channel
- Purge pipe : 10mm stainless steel pipe
- Material in Process : Stainless Steel SS 316 (Level Switch)

Manufacturer : MODERN Automation & Engineering Pte Ltd Blk 4026, #01-263 Ang Mo Kio Industrial Park 1 Singapore 569637. Tel : +65 6451 6313 Fax : +65 6451 5501 E-mail : sales@modernautomation.com.sg Website : www.modernautomation.com.sg	Distributed by :
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