Bruusgaard -
UTI Solution for on board operation and maintenance

Martin Bruusgaard AS has developed a system for the SHT2002 UTI meter that can be used, maintained and serviced on board, without yearly shore certification.

No need to send the UTI yearly on shore for calibration

Cost saving Simple logistics

SHT2002 is a portable gas tight electronic gauging device. It is designed to measure ullage, air/oil/water interface levels, and their respective temperatures, in a single operation for use in marine vessels. The unit can be used in corrosive and non-corrosive environments.

Martin Bruusgaard AS has developed a system for the SHT2002 UTI meter from the manufacturer Sea Hover Technologies Pte. Ltd. that can be used, maintained and serviced on board, without yearly shore certification. No need to send the UTI yearly on shore for calibration. The solution is approved by maker.

The complete set of detectors and equipment consists of:

- 2 pcs SHT2002 UTI meters
- 1 pc certified thermometer
- 1 pc measuring cup for water and temperature calibration
- 1 pc cleaning kit (wipes and gloves)
- 1 pc Instructions and maintenance manual
- 1 pc spare tape
- 1 pc spare sensor

Vapour lock connection must be specified

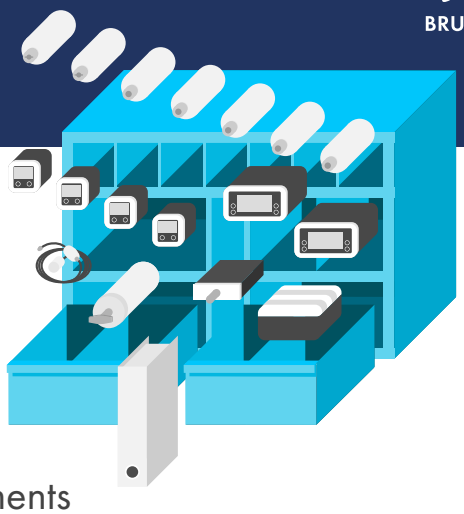
Through our support system the vessel will receive equipment for maintenance every 24 months according to agreement.

www.bruusgaard.no | postmaster@bruusgaard.no | +47 67 54 93 30

Technical specifications

Model	SHT2002 UTI meter
Ambient operating temperature:	-20°C (minimum) to 50°C (maximum) (-4°F to 122°F)
Ullage measurement:	Tape 30m ±1.5 mm (100ft ±1/16") Minimum detectable liquid (bottom of tank), 4mm Maximum tank pressure 0.3 bar Metric or Inches reading
Air / Oil (cargo) / Water Interface:	Audible indication with ±2mm accuracy
Temperature measurement:	-40°C to 70°C ± 0.2°, selectable °C or °F (-40°F to 158°F)
Temperature calibration range:	-40°C to 90°C ± 0.2° (-40°F to 194°F)
Battery	Use only Duracell MN1604 9V Alkaline Battery
Weight and Dimensions (device only)	Net weight of device: Approximately 5kg Net dimensions of device: Approximately 625mm x 260mm x 150mm
Weight and Dimensions (device with transport case)	Net weight of device: Approximately 8.5kg Net dimensions of device: Approximately 700mm x 320mm x 170mm
Selectable interfaces (barrel):	Q1,Q2, B, MB, F50, ANK52 + others.
Approvals	Ex II 1 G Ex ia IIB T4 Ga (-20°C ≤ Ta ≤ 50°C) Lloyd's Type Approval MED 1850033 Russian Maritime Register of Shipping 0948

The Bruusgaard System (TBS)



TBS is a unique turnkey portable gas detection solution, giving you increased safety and substantial cost savings through standardised instruments, routines, training and procurement.

Logistic Support

At any given time we know the status of all vessels and sites covered by The Bruusgaard System. We consolidate all shipments and make sure you have everything you need on board until next scheduled delivery. This results in fewer shipments and substantial savings!

- Year round follow up of instruments, spares and consumables
- Handling of all shipments & logistics
- Annual reports per vessel including budgeting

Safety

QA – strict routines and logging

- Crew are able to use instruments and follow routines correctly
- Instruments are in proper working condition at all times
- Instruments are calibrated at correct intervals
- Sensors and other items are replaced at correct intervals
- Usage of instruments is logged, including abnormal observations
- Traceability – instrument history and usage
- Routines and procedures can merge into the overall QA-system

Effective and proven training is an integrated part of The Bruusgaard System.

Instruments

All the equipment used for gas detection and calibration is placed in a custom-made wall cabinet. Including Log & Instruction Manual, which are crucial to maintaining the safety integrity.

- Standardised vessel specific gas detector solutions
- Total solutions including all equipment and routines necessary for efficient and safe use, storage and maintenance

Cost Savings

Some of our customers have been able to go from 8 to 10 suppliers down to 1 – translating into cost savings of up to 40-50%. For one vessel, this could be thousands of dollars annually, and for a whole fleet, the cost savings can be dramatic. This is achieved through:

- One contact for worldwide supply of spares & gases
- All service and calibration can be done on site.
- Reductions of instrument types from 10-12 to 2-3

Reduced maintenance costs through:

- On board calibration
- Fewer instruments on board
- No need for spares on board
- One PO per year
- Increased safety
- Less use of administrative time

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