(version 1.2)



#### **Purpose:**

GDS Simulator is intended for practical training in using portable gas detectors for testing atmosphere in ship enclosed spaces.

#### Configuration

Simulator consists of Instructor WorkPlace (IWP), and Student WorkPlaces (SWP).

IWP is designed to set and control the performance of training tasks.

#### Instructor' operations:

- to assign a closed space to the student,
- to enter type and concentration of gases and vapours in the enclosed spaces,
- to compare the measurements results made by the student with those given.

#### Student' operations:

- to study construction, indications and controls of the gas detector,
- to study gas detector calibration principles and prepare it for operation,
- to determine the type and percentage of gases in the enclosed space.

GDS Simulator includes Dräger X-am 5000 portable gas detector, which is widely used on ships, in accordance with its Technical Manual. Gas detector simulator helps determining concentration of  $O_2$ , explosive gases and vapours (% LFL),  $H_2S$  and CO for maintaining tests, required for enclosed space entry.

Simulator includes the following ship spaces:

- Cargo tank with vapour lock for gas detector hose penetration;
- Ballast Tank with hatch lids for gas detector hose penetration;
- CO<sub>2</sub> station;
- Paint store.

### Simulator can be used:

 during tankers personnel training courses in accordance with requirements of Chapter V of SCTW Code,

#### **Target groups**

Crewmembers
Tanker personnel

#### Ship types

All ships Tankers



(version 1.2)



- during Advanced Fire Fighting Training courses in accordance with requirements of Chapter VI of SCTW Code,
- during Enclosed Space Entry training courses.

#### **Delivery set**

Simulator can be delivered as a separate product, or as part of AFS Advanced firefighting simulator.

#### Legislation

#### STCW Code

- Section A-V, Table A-V/1-1-3 Specification of minimum standard of competence in advanced training for chemical tanker cargo operations
- Section A-V, Table A-V/1-2-1 Specification of minimum standard of competence in basic training for liquefied gas tanker cargo operations
- Section A-V, Table A-V/1-2-2 Specification of minimum standard of competence in advanced training for liquefied gas tanker cargo operations
- Section A-VI, Table A-VI/1-2 Specification of minimum standard of competence in fire prevention and fire fighting

### STCW Convention

- Regulation V/1-1
- Regulation V/1-2
- Regulation VI/1
- Regulation VI/3





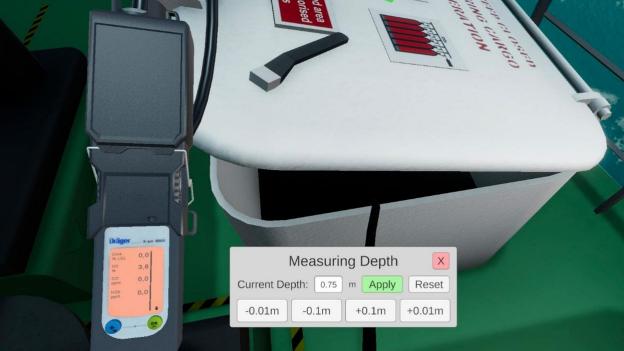






















Storm Sim















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