# Honeywell





## **Electro-pneumatic Level Measuring Cabinet**

The TN3801 Electro-pneumatic level measuring cabinet is ideally suited for service tanks, ballasts and drafts. It can include up to 24 channels of pneumatically independent modules.

Modules are built-in with an automatic non-return valve which is activated as soon as there is a lack of air supply pressure (below 1 bar). When this valve is closed, liquid cannot return via the bubbling line back to the transmitter.

Within the TN3801, a microcontroller carries out data processing, digital conversion and management of two redundant RS485/422 communication ports.

Approved by major international classification societies, the TN3801 is appropriate for use on all types of vessels. This modular, compact level measuring cabinet is designed for installation above the main deck in a safe and protected area.

## **TN3801 - Technical Specifications**

#### **Technical Data Channel number:** from 8 up to 24 **Accuracy:** ±0.3 % FS at 20°C Communication: 2 x redundant RS485/422 ports Modbus protocol Air supply: 6 / 10 bar Air consumption: 15 l/h per channel Operating & storage temperatures: +5°C to +70°C Pneumatic connections: 1/4 GAS female 230/115 VAC Electrical power supply: **Electrical consumption:** 0.5 VA per channel Installation environment: safe and protected area **Protection degree:** IP44

#### **Special Features**

Automatic air flow regulator

Connections for pressurized tanks (optional)

Integrated air filtration group

Options: display unit, up to 8 x 4-20mA inputs

Self monitoring, 4-20mA outputs

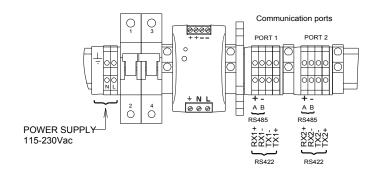
#### **Technical Documentation**

Installation manual: MI5015

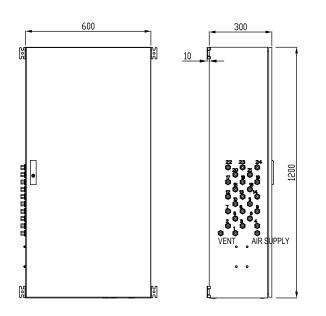
Technical manual: MT5015

Maintenance manual: MM5015

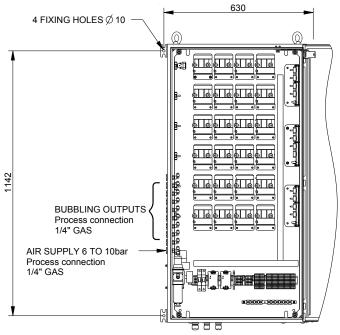
### **Electrical Connection**



#### **Mechanical Fittings & Dimensions**



#### **Mechanical Connection**



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HM-11-38-ENG March 2013 © 2010 Honeywell International Inc.

