

MXT-Reflex level gauge

Made in West Europe

Suitable for
Flammable
liquids

The Reflex level gauge is designed for use within the marine and offshore industries for tanks containing flammable liquids. The Reflex level gauge meets the requirements of SOLAS (Safety Of Lives At Sea) Type approved by many worldwide shipping authorities including; *Det Norske Veritas (DNV)*, *RINA*, *Lloyds Register of Shipping (LRS)*, *Nippon Kaiji Kyokai and Bureau Veritas (BV)*, *American Bureau of Shipping (ABS)*, *Russian Maritime Register of Shipping (RMRS)*, *Germanischer Lloyd (GL)*

This gauge is commonly used for fuel oil, hydraulic oil and lubrication oil tanks at marine and industrial projects

Specifications

Maximum temperature	80 °C ¹
Maximum pressure	2.67 bar g ¹
Valve material	Brass (option Stainless steel)
Connections	Flanged DN25 PN10/16 (other options available upon request)
Seal materials	Elastomer 'O' rings
Glass	Toughened borosilicate reflex glass DIN 7080/7081
Column materials	Mild steel rust protected front bezel (option stainless steel)
Lengths	Maximum: 8900 mm
Valve types	Push button self closing valves

¹ Maximum allowable operating pressure is dependent upon operating temperature.

Push-button operation

Except when a reading is being taken, the gauge is permanently isolated from the contents of the tank. To take a reading the spring loaded valve is opened by pressing a push-button. When released, the connection between the tank and gauge is automatically resealed.

Safe from external damage

Due to the design of the push-button isolation valve, not amount of damage to the gauge or external fittings on the tanks can break the liquid seals. In such an event the fluid cannot escape.

Closed circuit design (option)

The closed circuit design penetrates the tank wall at both top and bottom connections. The options for the top connection are either a push-button self closing valve or valveless tank return.

Open circuit design

This is only allowable when it is possible for the gauge column to extend above the top of the tank by at least 100 mm. The upper end of the gauge can be supplied with an automatic safety vent valves or, alternatively, a pipe union connection. The automatic safety vent will allow air to pass, but will seal against a liquid level. In the case of the pipe union connection design, a 10 mm o/d steel vent pipe is returned to the tanks or into the tank vent pipe.



Hydraulic actuation (option)

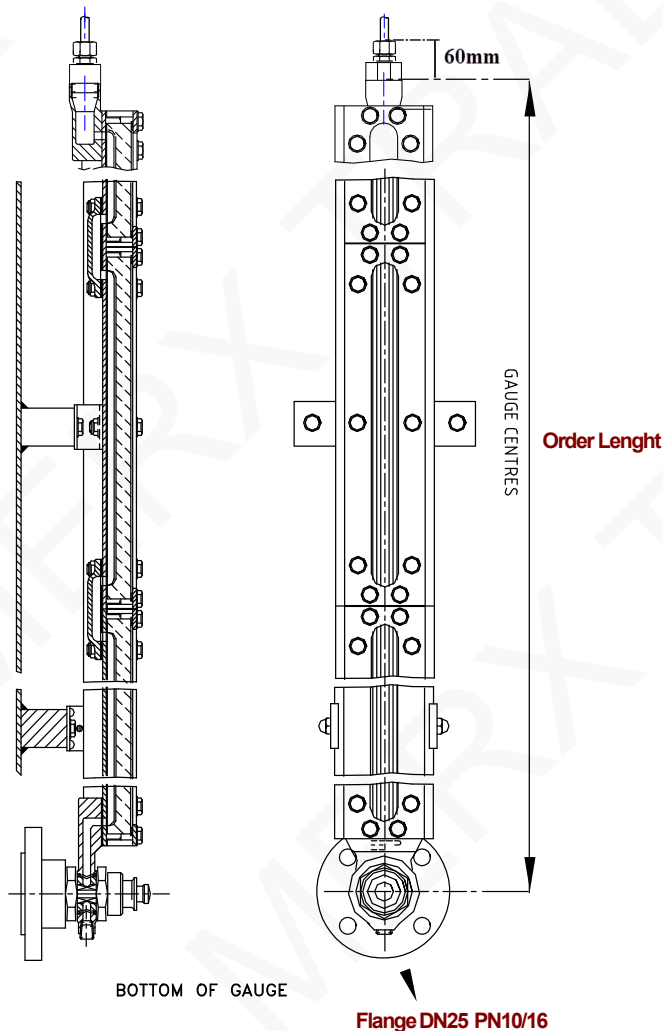
Hydraulic actuation can be supplied as an optional extra. This is designed to enable both push-button valves to be operated at the same time. Recommend for tall gauges where it would otherwise be difficult to operate the upper and lower push-button valves simultaneously.

Graduation

Where a measure of the precise storage volume is required, an engraved scale plate can be provided marked with the capacity units.

MXT-159050000 REFLEX LEVEL GAUGE

MERXTRADE BV.



TECHNICAL DATA:

MAX. OPERATING PRESSURE = 2.67 BAR
MAX. OPERATING TEMPERATURE = 80°C
MIN. OPERATING TEMPERATURE = -35°C

MIN. CENTRE TO TOP, FOR OPEN CIRCUIT GAUGE = 315mm

ALL TEMPERATURES ARE SUBJECT TO SEAL MATERIAL & PRESSURE.

MATERIALS:

BACK CHANNEL = STAINLESS STEEL
FRONT BEZEL = BLACK COATED, RUST PROTECTED MILD STEEL.
REFLEX GLASS SEAL = HARDENED BOROSILICATE
FOR GLASS VALVE = NITRILE
BODIES VALVE = BRASS or STAINLESS STEEL
BODY SEALS = ELASTOMER

CONNECTION TYPES: FLANGED DN25 PN10/16

TOP FITTINGS:

PIPE CONNECTION WITH CUTTING RING UNION.

BOTTOM FITTINGS:

SELF-CLOSING PUSHBUTTON WITH FANGED CONNECTION DN25 PN10/16

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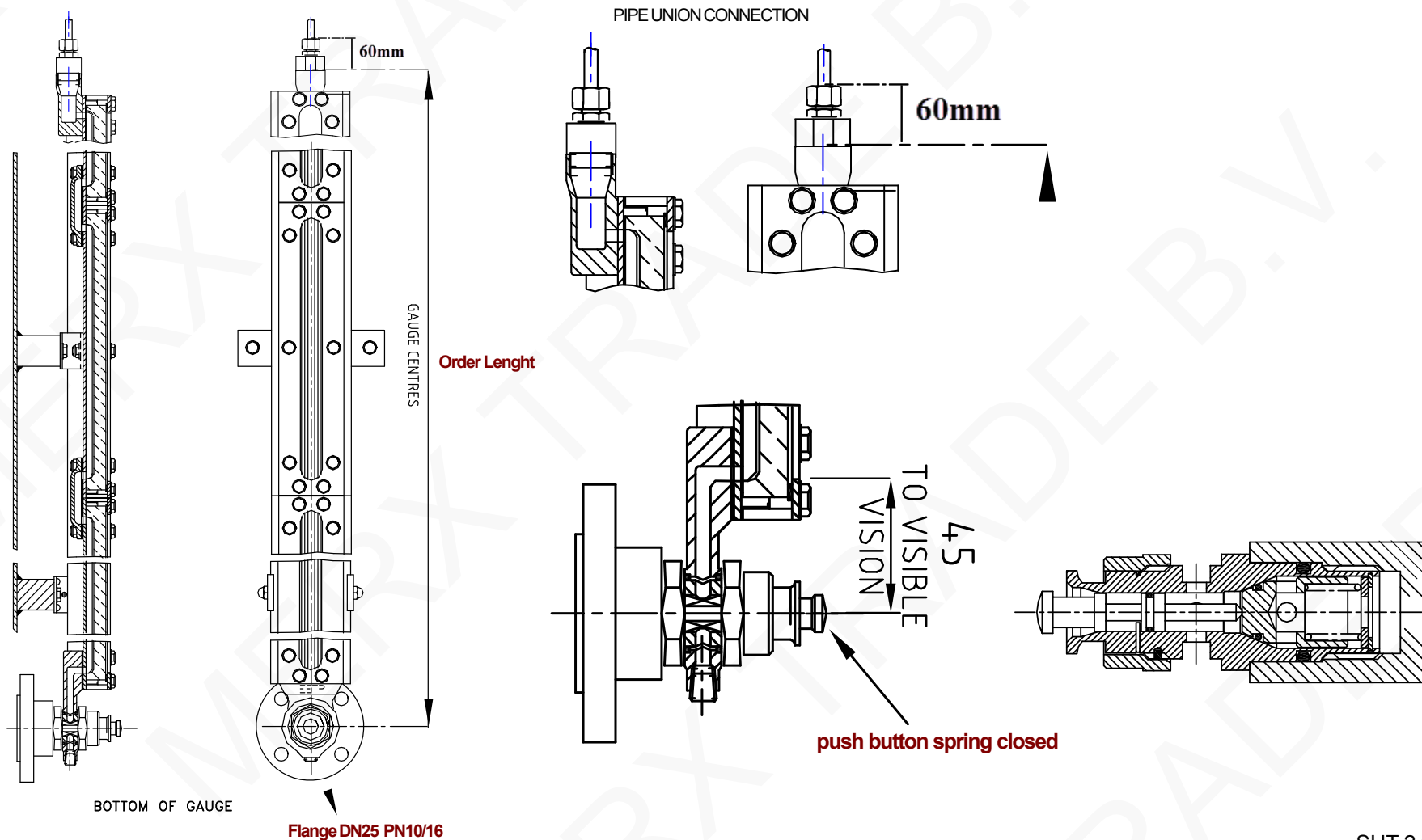
THIS GAUGE IS COMMONLY USED FOR FUEL OIL, HYDRAULIC OIL AND LUBRICATION OIL TANKS OF CARGO SHIPS & WORK BOATS.

MXT-159050000 REFLEX LEVEL GAUGE



2/3

FLANGED CONNECTION ON THE BOTTOM AND PIPE UNION WITH CUTTING RING ON TOP



SHT 2 OF 4 SHTS.

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