



1

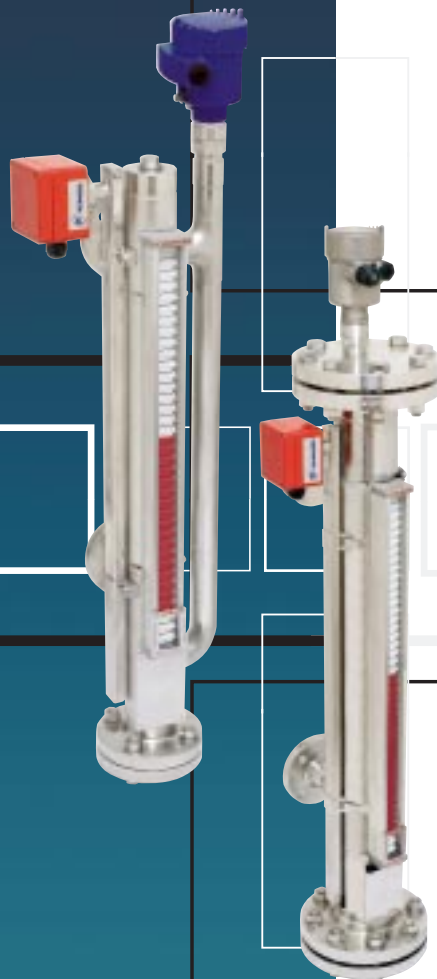
Magnetic Level Indicator

2

Reed Chain or Magnetostrictive Transmitter

3

Guided Wave Radar



TWO

INDEPENDENT

MEASURING

PRINCIPLES

FROM THE SAME

SYSTEM



GUIDED WAVE RADAR



Measuring Principles

The TC Klinger LevelSure combines the operation of conventional float operated magnetic level indication with the proven technology of reed chain transmitter, magnetostrictive transmitter or guided wave radar in one unit.

The user benefits from the local visual readout and from the 4-20mA signals provided from the reed chain, magnetostrictive and guided wave transmitters with resolution down to 1.5mm available.

The LevelSure is a completely self-contained unit for mounting to a tank or vessel with threaded, flanged or welded connections to suit customer specification.

It is particularly useful in conditions where a high level of confidence is required in the level readings as signals can be compared relative to each other. Typical applications are offshore, petrochemical, power, food and pharmaceutical industries.



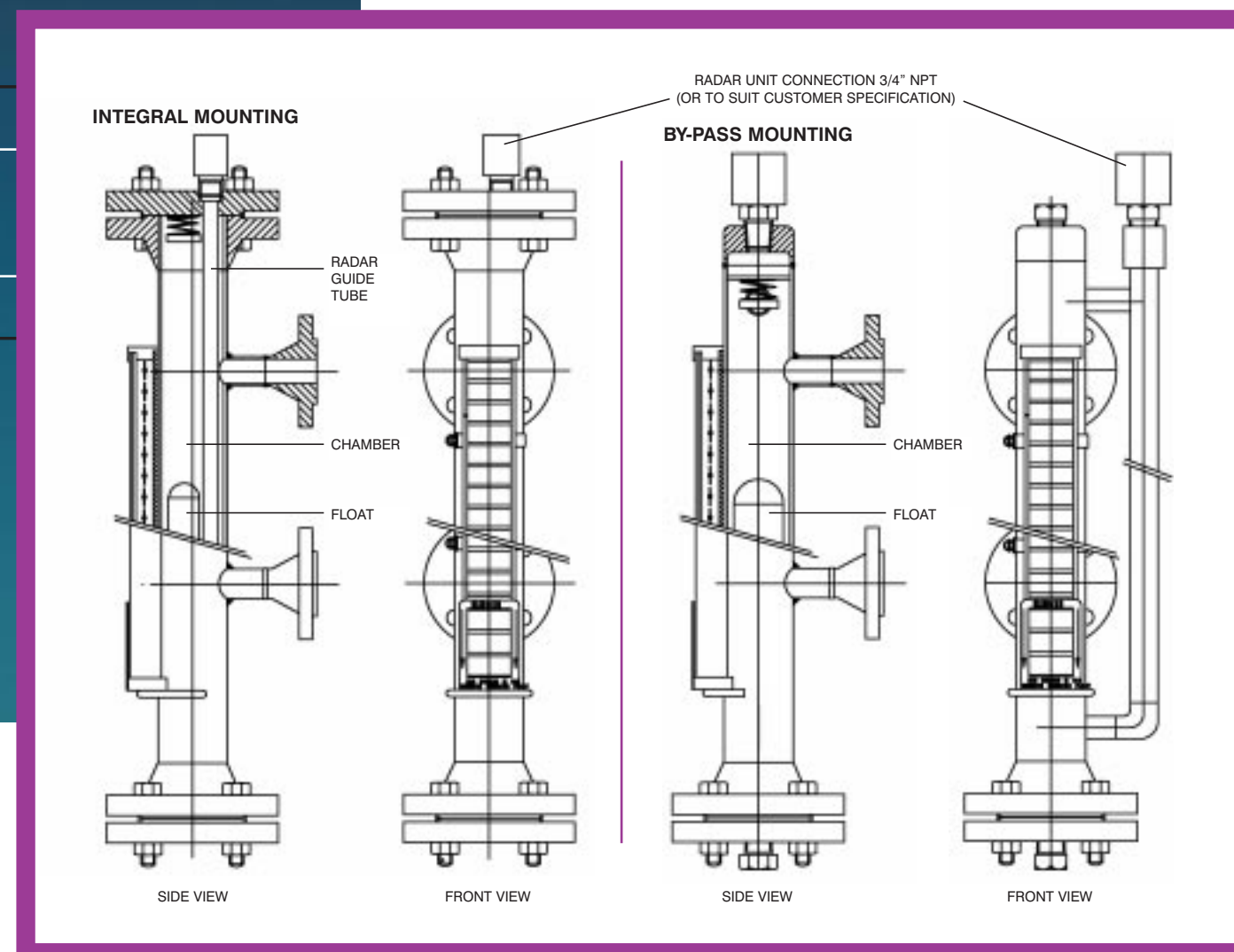
Exchangeable display and configuration module



Communications

HART
PROFIBUS
FIELD BUS

Options dependent on instrument used



■ Specification

STANDARD MATERIALS

Body:	Austenitic stainless steel to suit customers requirements.
Flanges:	Austenitic stainless or carbon steel depending upon application.
Float:	Austenitic stainless steel, titanium, glass or corrosion resistant plastic.
Display Housing:	Aluminium Alloy 6063T6 or stainless steel outer housed.
Ratings	Process Pressures up to 200 bar (2900 psi). saturated steam pressure up to 130 bar. Temperatures up to 400°C. Higher temperatures on application.
Length	To suit customer requirement, (maximum single section length 6m).

SPECIAL BODY/FLANGE MATERIAL

Alloy 825, Titanium, Hasteloy, Sanicro 28/Duplex, Monel 400. Others on request.



■ Approvals - Magnetic Level Gauge

CE PRESSURE EQUIPMENT DIRECTIVE
97/23/EC CATEGORY IV
Type Approval COV 0312119/TEC
Module B
Certificate of Conformity COV 0312785/01
Module D

II 1/2 Gc T1-T6 SIRA 04 ATEX 6126

Note: this approval is not available on all options, contact design office for information.

■ Approvals -Transmitters/Radar

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