



KLINGER ITALY INSTRUMENTATION

The Global Partner for Global Players



www.klinger.it

GLASS LEVEL GAUGES

Italian quality in the world

Technology and know-how

Glass level gauges were invented and patented in 1888 by Richard Klinger, the founder of the Group of independent KLINGER companies.

Glass level gauges have been consistently updated using KLINGER technology and know-how.

Famous and highly-regarded throughout the world, they have become a byword for quality, safety and reliability.

The policy for the Quality includes constant improvements on the process, necessary to meet the customers needs, which are defined, verified and satisfied.

Customer satisfaction

Customer Satisfaction is the target of every activity of Klinger Italy Srl and our several product and organization advantages, with our long term experience on Client support, ensure everyday benefits to our Customers with:

- » large range of production
- » product reliability
- » certified quality level and full traceability of all the material
- » first class materials of European origin
- » facilities for inspection and material quality control
- » technical know-how
- » worldwide network for after sales service

Approval and reference

Klinger products satisfy the requirements of the strictest international regulations, in particular PED 2014/8/UE and ATEX 2014/34/UE directives that ensure a safe installation in potentially hazardous environments.

Through its unrivalled network of associated businesses and qualified partners, KLINGER maintains a global presence for the promotion of its instrumentation products.

KLINGER is a major supplier to projects run by leading international companies in the energy, chemical and petrochemical fields, along with OEMs and contractors in Europe, Australia, the Far East, Middle East and America.



PRODUCTS RANGE

Innovation and technology at the service of quality



TRANSPARENT LEVEL GAUGES

In this kind of level gauge, the medium is contained within two glasses whose surfaces are both smooth. The medium level can be easily observed looking through the glasses.

Thanks to its resistant glasses, this level gauge is particularly suited to be used with aggressive media or in the presence of steam, since protective mica shields can be installed between the medium and the glass.

In order to improve visibility under special operating conditions, an illuminator can be mounted on one side of the transparent level gauge.



REFLEX LEVEL GAUGES

Reflex level gauges allow the medium to be viewed through a reflex glass: the side of the glass which is exposed to the medium has a prismatic surface, while the other side is smooth. The medium level inside the level gauge is indicated as the result of the light refraction principle, since the liquid filled area completely absorbs the rays of light and appears dark, whereas the rays of light are totally reflected in the gas/air filled area which appears bright.

Reflex level gauges offer great advantages in terms of low purchase and maintenance costs, as well as easy level reading. Anyway, they cannot be used in certain cases, for example when the separation level between two liquids has to be read, when the observation of the liquid colour is required or when the fluid to be measured is high-pressure water steam.



BI-COLOUR LEVEL GAUGES

Bi-colour level gauges are a variation of transparent level gauges and are mainly used to measure very high-pressure water steam. These gauges feature two flat transparent glasses which, together with the gauge body, form the chamber containing the medium.

A special red and green illuminator is mounted on the rear side of the gauge body to obtain a double lighting system.

- » Red light for the steam
- » Green light for the liquid

KLINGER ITALY S.r.l.
Viale De Gasperi 88, 20017 Rho (Milano) - Italy
P. +39 02 933331 » F. +39 02 93901313
klinger@klinger.it