

# KMT & KHT Transparent Level Gauges & Valves



**Brand:** Kenco Engineering

## Short Description

KENCO Flat Glass Gauges are used where direct visual observation of process fluids is required. These gauges are suitable for a wide range of applications with pressures up to 4000 psig (275.79 bar) @ 100oF (37.7°C), and temperatures up to 750oF (398.8°C) @ 2300 psig (158.57 bar). KENCO gauges are available in a wide variety of construction materials, connections and other options to meet most specifications.

## Description

**Chamber:** Center of the gauge, and is the part that primarily contains the process fluid. It is machined from bar stock. The gasket seat is recessed for lateral support, and easy positioning.

**Glass:** Provides the visual interface between the process fluid and the outside.

**Cover:** Protects the glass, and provides the compression surface for sealing the gauge. The cushion seat is recessed for lateral support and easy positioning.

**Gasket/Cushion:** Provides for a seal between the chamber and glass (gasket), and protects the glass from mechanical stresses from the cover (cushion). For a given gauge, the gasket and cushion are normally the same material.

**Bolts/Studs/Nuts:** Provides a uniform compression load to the gauge for pressure sealing.

**Transparent gauges:** have two pieces of glass on opposite sides of the chamber. Light enters the gauge from one side, and the level is viewed from the other. Transparent gauges are useful when the actual liquid characteristics need to be seen. They are also commonly used for liquid-liquid interfaces.

**Mica shields:** can be used in transparent gauges to protect the glass in steam environments. **Kel-F shields:** should be used in corrosive environments.