

V-groove high-pressure level gauge glass

High-pressure
aluminum-silicon

Ultra-high
temperature
tempering

Acid and alkali
resistant



Multi-system
certification

Strict quality
control

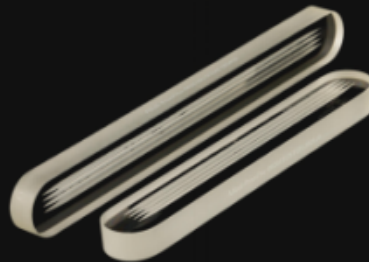
Stay
safe

V-groove high-pressure level gauge glass

Mica-free

Ultra-high
temperature
tempering

Alkali and
acid resistant



Lumiglas[®]

Alkali-resistant glass is mainly composed of Si-A1-La-Y-Zr and other alkali metal oxides through scientific proportioning, of which the content of K₂O+Na₂O is $\leq 0.08\%$, which belongs to the rare earth zirconium, yttrium, lanthanum, alkali-free aluminosilicate glass system has excellent physical and chemical properties such as high temperature resistance, high pressure resistance, acid and alkali resistance after high temperature tempering treatment, and is an excellent window material for various high-pressure glass windows. It is mainly used in the glass window of the high-pressure water level gauge on various high-temperature and high-pressure steam packs in power plants, petrochemicals, nuclear power plants, deep-sea exploration equipment, etc.

Physical properties:

1. Softening point: 1050°C
2. Expansion coefficient (0--300°C): $48-63 \times 10^{-6}K$
3. Density: 3.93g/cm³
4. Annealing point: 850°C
5. Maximum operating temperature: 600°C
6. Flex index (refractive index): 1.670
7. Bending strength: 370~450Mpa
8. Acid resistance: A1 grade, alkali resistance, A1 grade
9. Alkali corrosion resistance: $\leq 0.004mg/cm^2$
10. Pressure resistance: level gauge: 25-40Mpa

Sight glass:

1.0-200Mpa ultra-high pressure sight mirror can be manufactured according to user needs.

Main uses:

Alkali resistance, high temperature resistance, high pressure resistance, petrochemical pipeline sight glass, high-pressure steam drum water level gauge window, high-pressure liquid level gauge window, high-pressure window.

Supporting accessories:

Graphite pads, protective belts.