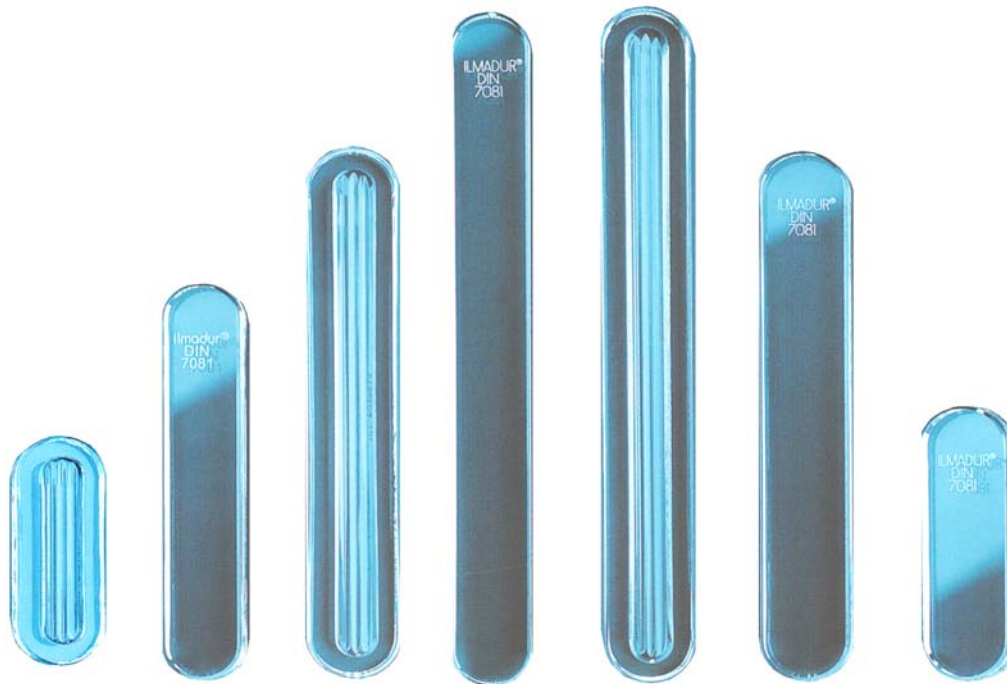


Gauge Glass – Borosilicate Material



Gauge glasses to DIN 7081

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We manufacture two standard versions of gauge glasses: reflex glasses, which allow simple and safe readings to be made at a distance; and transparent glasses, which can also be supplied in a high-pressure version for particularly high requirements. If you cannot find your gauge glass here please contact us – we can do a lot.

Mechanical properties

■ Tensile bending strength:	
standard:	≥ 150 N/mm ²
high Pressure:	≥ 180 N/mm ²
■ Surface pressure-prestressing:	
standard:	≥ 80 N/mm ²
high Pressure:	≥ 90 N/mm ²

The thermal prestressing increases the existing tensile bending strength by a factor of at least two. This means that the safety required by DIN 7081 for gauge glasses is guaranteed.

Thermal properties and working conditions

■ Maximum working temperature:	
permanent use	280°C
max. 300 hours use	300°C

With saturated and superheated steam:	
unprotected glasses	
up to 35 bar	243°C
mica-protected glasses	
up to 70 bar	280°C

For media which attack glass to a negligible degree:

to 100 bar	120°C
■ Resistance to thermal shock:	
Δ T min. 265 °C	

Versions

- Surfaces: optical and sealing surfaces polished
- Lateral surfaces: press-moulded or ground with a 1.5° bevel for manufacturing reasons
- Edges: chamfered at an angle of 30° or 45°
- Sealing surfaces: at least 5 mm for gauge glasses up to 30 mm wide at least 6 mm for gauge glasses up to 34 mm wide

Sole Agent :

LKS (M) SDN. BHD.

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