

## Quality control – easy and safe

For insulated glass production, reliable quality control of the gas concentration is indispensable. Consequently a reliable test method is even more important. With HELANTEC analysers control is easy and you can rely on the result 100%.

### GAS TESTER

The **GAS TESTER** is our lowest-price entry-level model for monitoring gas concentration. Naturally we have installed our proven analysis technology (gas type measurement based on thermal conductivity) in this product as well.

#### Features and specialities

- reliable concentration measurements (argon / optionally also for krypton)
- compact and handy design
- easy operability
- suitable for multi-coated IG units
- suitable for triple-glazed units and all spacer materials
- easy calibration and plausibility check
- non-destructive measurement methods
- long service life measuring cells (usually more than 10 years!)
- **internal storage of the measured data (optional)**



Only a small quantity of gas is required. Sampling is executed with a special gas supply pump.

**Yearly factory calibration is not necessary! Our analysers work with virtually no wear.**

The **GAS TESTER** is suitable for quality control of IG units with **argon** as the filling gas. The analyser can be equipped for the measurement of **krypton** – as option.

If you desire to also analyse other gas types or gas mixtures, you should choose one of our other analysers.

We would be pleased to advise you in the selection of a suitable analyser for your requirements.

The **GAS TESTER** is delivered in an upholstered plastic case where the needles and accessories find a certain place.



## Specification GAS TESTER

<b>application</b>	measurement of the gas concentration inside the insulation glass units
<b>suitability</b>	for <b>argon</b> as filling gas (optionally also for <b>krypton</b> )
<b>measuring method</b>	thermal conductivity – reference measurement
<b>technology</b>	microprocessor controlled
<b>measuring range</b>	0 – 100 % gas concentration
<b>display of measured value</b>	0 – 100 % gas concentration
<b>accuracy</b>	better than 1,0% abs.
<b>calibration</b>	1 point calibration – semi-automatic via calibration mode
<b>calibration frequency</b>	daily recommended / by the user
<b>calibration duration</b>	less than 1 minute
<b>references</b>	end point – with 100% filling gas
<b>plausibility</b>	simple check of plausibility regarding measured values is possible (according ISO 9000 ff.)
<b>display</b>	LCD display – alphanumerical
<b>status display</b>	not available
<b>sampling system</b>	via needle and built-in pump <b>non destructive method – German definition</b>
<b>data storage</b>	in the internal memory (optionally)
<b>power supply</b>	2 batteries type AA
<b>dimension</b>	170 x 75 x 36 mm (w x d x h)
<b>weight</b>	approx. 0,5 kg

**Gas analyzer will be shipped complete with accessories – ready for analyzing.**

## OPTIONS

- OPTION No. 1 Modification for measurement of krypton
- OPTION No. 2 Internal storage of the measured data
- OPTION No. 3 Pressure regulator for calibration gas, pre-adjusted to 0,2 bar

