

Gas meter test benches



**AUTOMATIC DEVICE FOR WEIGHING OF GAS
MIXTURES
KALIPRO**



Technical description

The automatic device KALIPRO is used for preparation of gas mixtures. The equipment measures the mass of the gas compressed to the cylinder container. The method is based on comparison between the cylinder being filled against a reference cylinder. This method allows to eliminate the influence of ambient air to the weighing process. The change of the mass of the compared cylinder is equal to the mass of the gas entered to the cylinder.

Nominal mass of cylinders is 15 kg to 10 kg, or it can be adapted based on client's request. The mass comparator range is max = 26 kg, scale division $d = 1$ mg, repeatability is 2 mg. Standard deviation of weighing results is about 1-2 mg.

The equipment consist of the following basic subgroups:

- mass comparator Mettler Toledo 26 kg
- loading – lifting device
- electronic box
- control computer and software

The automatic equipment Kalipro allows very efficient and precise preparation of gas mixtures and the automatic system of measurement can significantly shorten the overall time of work.



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