

HORIBA OZGU-370SE

O₃-Transfer Standard

Data sheet



Abstract

The multipoint calibration unit OZGU-370SE is designed for checking of Ozone analyzers. It is installed in air pollution monitoring stations, in laboratories for quality assurance and also in the production of gas analyzers. One main application is for the ongoing quality control in field.

Overview

The calibration unit OZGU-370SE is designed for the dynamic and continual manufacture of zero and span gas to perform all ongoing quality control procedures according EN 14625. Transferstandard OZGU-370SE is based on well proven Analyser APOA-370 with integrated span gas generation unit (ASGU-370 Electronic). This Span gas unit is able to provide ozone gas to an 2nd Ozone monitor. The actual concentration is measured by the type approved measurement cell of the transfer standard. The measured concentration is used as set point for the 2nd Ozone analyser (measurement unit to be calibrated).

Features

- ✓ Fulfills requirements of EN standards related to span-gas generation for laboratory test and for continuous quality control at field test
- ✓ ASGU-370 calibration electronic developed and manufactured in Austria
- ✓ Comfortable operation via 2 big illuminated Touch-Screen-Displays
- ✓ Operation via RS232 and Ethernet interface (Bayern Hessen protocol)
- ✓ Delivery scope includes remote software for easy external handling (LAN)
- ✓ High flexibility through free definable span points (up to 20)
- ✓ High flexibility through free definable cycles (8 pre-defined with the option to add more)
- ✓ High flexibility through free definable sequences (stringing cycles together)
- ✓ Programmable timer allows time delayed start of calibration process
- ✓ Internal data logger (option) stores raw values from calibration procedure (set value and actual value, status) for reporting with included evaluation software

Specifications

Technical Specification (Analyzer) :

Refer to APOA-370
(Ozone Analyzer)

Technical Specification (Span Gas Generator Unit) :

Principle UV irradiation (Ozone oven)

Output Flow 1 - 3 lpm
Ozonator stability ± 4 ppb or 1% of Reading
Concentration Range 0 - 500 ppb

Ozone generator by UV Irradiation PID temperature controller with Pt 100 sensor

Temperature: 70 °C

Accuracy $\pm 0,1$ °C

Indication of actual temperature on display

Zero Air Supply Built-in cartridges

Operation Manual (Touch Screen Display)
External via RS232 (Bayern Hessen Protocol)
External via Ethernet (Remote Software)

Power 230 V / 50Hz ± 10 %
Power consumption: approx. 150W

Dimensions 430x550x221 mm (width/depth/height)

Mass 17 kg