

## AEROTEST SIMULTAN HP

The portable air test laboratory

- › **Reliable measuring of CO, CO<sub>2</sub>, H<sub>2</sub>O and oil**
- › **NEW: Also for the detection of synthetic oils**

- › USE ON THE COMPRESSOR OR DIRECTLY ON THE CYLINDER
- › QUICK CHECK ON SITE
- › MEASURING OF BREATHING AIR ACCORDING TO DIN EN 12021



### **AEROTEST SIMULTAN HP tests the quality of breathing air quickly and reliably.**

Carbon monoxide (CO) and carbon dioxide (CO<sub>2</sub>) contained in breathing air have led to several fatal accidents. If the water content in the air is too high, the risk of diving accidents due to the threat of icing of regulator valves is dangerously increased. Corrosion due to humidity causes severe and permanent damage to the equipment. AEROTEST SIMULTAN HP guarantees the observance of the safety limits of the breathing air standard DIN EN 12021 and therefore provides protection for life, health and material.



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|---|---|
| <b>1</b> IMPACTOR (10 pcs. per package) | <b>6</b> STOPWATCH                                |
| <b>2</b> IMPACTOR-ADAPTOR               | <b>7</b> CARRIER CASE                             |
| <b>3</b> MEASURING DEVICE               | <b>8</b> TUBE OPENER                              |
| <b>4</b> ADAPTOR (200/300 bar)          | <b>9</b> MEASURING TUBES<br>(10 pcs. per package) |
| <b>5</b> PRESSURE REDUCER               |   |

## The anywhere test laboratory

**AEROTEST SIMULTAN HP enables you to carry out reliable testing of the quality of breathing air in accordance with the strict breathing air standards of DIN EN 12021 at any time anywhere in the world.**

- › Diving centers, fire brigades, hospitals and other institutions relying on absolutely pure and safe breathing air have already trusted for years in the proven measuring technology of the AEROTEST SIMULTAN HP.
- › Owing to its low weight and compact dimensions, AEROTEST SIMULTAN HP fits into any baggage and can therefore be comfortably used worldwide as a portable device.
- › Due to its measuring accuracy, AEROTEST SIMULTAN HP can be used for the certification of diving centers, diving shops and fire brigades in regard to their breathing air quality.



*Impactor and connection adaptor*

### 1 IMPACTOR

**With the help of the hitherto existing portable measuring devices, synthetic oils could hardly be detected.**

- › Besides the measuring of mineral oils, the new AEROTEST SIMULTAN HP is now also able to provide the difficult evidence of synthetic oils.



*Measuring device*

### 2 MEASURING DEVICE

**AEROTEST SIMULTAN HP enables you to carry out an easy, quick and safe measuring of the breathing air according to DIN EN 12021.**

- › The measuring device allows the simultaneous measurement of CO, CO<sub>2</sub>, H<sub>2</sub>O and oil in breathing air.
- › The measuring tubes can be inserted quickly and easily.
- › Safe and quick reading of the measuring results on the measuring tube/impactor with the aid of the enclosed chart.



*Safe breathing air quality according to DIN EN 12021*

## Safe measuring by system



Measuring the air quality at the compressor



Measuring the air quality directly at the breathing air cylinder

**Measuring the breathing air quality with AEROTEST SIMULTAN HP is quick and very easy:**

- › First, the pressure reducer is connected to the air outlet.
- › Next, the measuring device is coupled to the pressure reducer.
- › The measuring tubes for measuring CO, CO<sub>2</sub> and H<sub>2</sub>O as well as the impactor for measuring oils are inserted into the measuring device.
- › The compressor is started or the valve of the pressure cylinder is opened and, simultaneously, timing is started with the stopwatch.
- › After expiration of the period prescribed for the measuring procedure, the impactor and the measuring tubes are removed from the measuring device.
- › The measuring result has to be compared with the enclosed chart. That's it!



CO Measuring tube

## Technical data

**Measurable gases:** CO, CO<sub>2</sub>, H<sub>2</sub>O  
**Measurable oil grades:** synthetic,  
 / mineral

**Dimensions\* (L x W x H):** 30 cm x 36 cm x 8 cm

**Weight:** approx. 3 kg

**Connection:** G 5/8"

\*Dimensions of the carrier case

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DIN EN ISO 9001

**AEROTEST SIMULTAN HP-E**

01.09 PR 0014

Subject to technical modifications