

## ASP 3 I Gas sampler

### Application

The system is a portable device designed for taking air samples to assess air pollution through their adsorption or absorption. It can be used for taking samples both on activated charcoal tubes and through absorption in solution. Application of the moisture sensor in the device allows to convert the amount of sucked-in gas into conventional conditions. Low weight and battery supply allow for the use in difficult to access area.

### Functions

- electronic stabilisation of gas flow intensity
- digital measurement of gas flow intensity, temperature, pressure and moisture
- measurement of gas volume that flowed while taking the sample, converted into normal conditions.
- measurement of time with the option to set working time
- the facility to take samples from emitter also when there is underpressure

### Technical data

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|--|----------------------------|
| • Stabilised gas flow speed                            | 10 ÷ 70 dm <sup>3</sup> /h |
| • Measuring range of flow intensity                    | 7 ÷ 75 dm <sup>3</sup> /h  |
| • Capacity of volume meter                             | up to 5,0 m <sup>3</sup>   |
| ▪ setting accuracy                                     | 0,1 dm <sup>3</sup>        |
| ▪ readout accuracy                                     | 0,1 dm <sup>3</sup>        |
| • Capacity of time meter                               | 4 h 59min.                 |
| ▪ setting accuracy                                     | 1 min.                     |
| ▪ readout accuracy                                     | 1s                         |
| • Tolerance (in the temp. of 25° ) better than         | 1%                         |
| • In the full range of working temperature better than | 2,5 %                      |
| • Indication accuracy                                  | 0,1 dm <sup>3</sup> /h     |
| • Maximal input underpressure                          | 5 kPa                      |
| • Working temperature                                  | 5 - 50°C                   |
| • Relative humidity below                              | 90%                        |
| • Power supply   | 6 accumulators AA NiMH     |
| • Power consumption                                    | 3 VA                       |
| • Weight   | 2 kg                       |
| • Dimensions   | 190 x 190 x 150 mm         |

Additional equipment- 6 accumulators AA NIMN 2700 mAh, charger.

**Every device has the calibration certificate from the PCA laboratory (Polish Centre for Accreditation).**

