

# Flow Check

Invisible air movements  
become visible



## Dräger Flow Check make air movements visible



SF-0448

The desire for a healthy environment has grown stronger and stronger over the last few years. People have become more sensitive to their surroundings and are more aware of the effects of unhealthy ambient conditions. As a result of the demand for a sense of well-being in indoor environments, many people in industry as well the private sector have requested solutions to indoor air problems.

In order to improve indoor climate conditions, ventilation systems should be tested and controlled. For this purpose, it is of particular importance that various air currents resulting from a ventilation system be detected and localized. Slight air currents must become visible in order to pinpoint their source, direction, and speed. In this way, the proper function and efficiency of ventilation systems can be ensured.

This subject is also relevant in industrial and work environments for the determination of ventilation efficiencies in heating systems and laboratory installations. Additionally, air current detection can be used to detect leaks and test for the integrity of air-tight systems. Information regarding air flow is also helpful and often necessary when estimating the dispersion of gaseous hazards in the workplace. The knowledge of the air flow patterns within a workplace permits objective selection of the right measuring points for any air analysis.



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### Harmless Clouds

The Dräger Flow Check air current indicator produces a harmless cloud of smoke that floats freely and easily, because it has the same density as ambient air. Consequently, slight air currents become visible.

The Dräger Flow Check consists of:

- an instrument for the production of the cloudes
- an ampoule containing smoke-generating fluid

The ampoule contains a fluid that is a special mixture of alcohols developed at Dräger. A small heating element in the head of the instrument heats the fluid which condenses on contact with the ambient air. The temperature of the heating element and the quantity of the fluid is electrically balanced.

### Simple Operation – High Performance

The Dräger Flow Check incorporates ergonomic form, low weight, and optimal operation into the instrument design. The instrument will generate clouds in any orientation.

Small, single clouds can be generated with a short press of a button. If a continous production of clouds is desired, the button can be held or locked in the “on” position. The fluid ampoule is located in a compartment in the handle of the instrument and can be inserted effortlessly into position. The amount of fluid contained in the ampoule is enough to generate a continuous cloud for a period of approximately three minutes.

Power is supplied by a battery located in the handle of the instrument and can be charged while inside the instrument or separately. A quick-charge option is also possible with the charger. An adapter cable can be used to charge the device from a car mounted cigarette lighter.

## Order list

| Name and Description  | Order-No. |
|---|-----------|
| Air flow indicator Flow Check with one pack of ampoules, battery pack, packed in plastic case | 64 00 761 |
| Flow Check ampoules (3 ampoules and 1 nozzle)   | 64 00 812 |
| Battery charger Europa  | 64 00 800 |
| Battery charger UK  | 64 00 801 |
| Battery charger USA   | 64 00 802 |
| Adapter cable for in-car recharging   | 64 00 803 |
| Battery pack  | 64 00 817 |

## Technical Data

|                                   |                                 |
|-----------------------------------|---------------------------------|
| Operating Temperature             | 5 °C to 40 °C                   |
| Smoke Time per Ampoule            | approx. 3 min                   |
| Operating Time per Battery Charge | approx. 20 min                  |
| Ni-Cd rechargeable Battery        | 7.2 V; 1.4 Ah                   |
| Charging current                  | 700 mA                          |
| Dimensions                        | approx. 300 mm x 200 mm x 70 mm |
| Weight                            | approx. 500 g                   |

