



Fluid cartridges



Application tubes



Base station



Power supply



FLOWPOINTER®

professional flow visualization

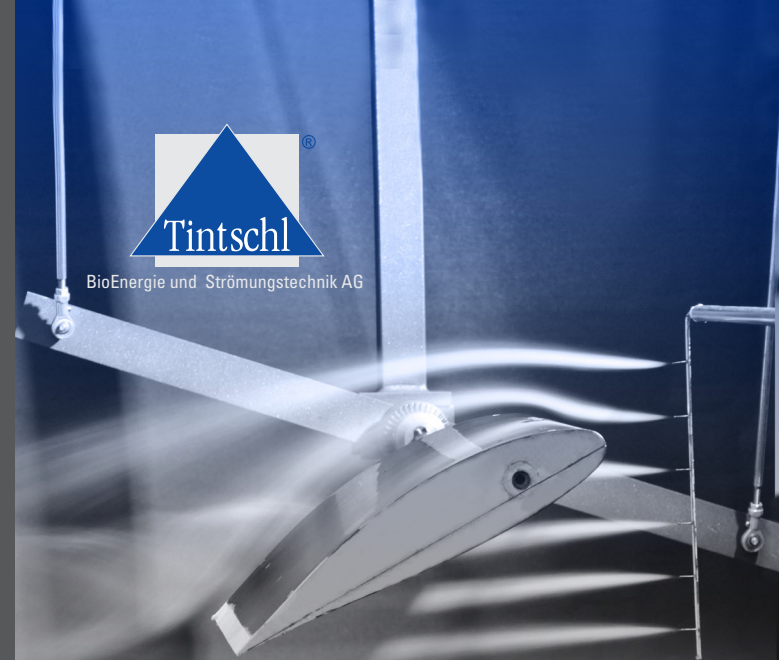
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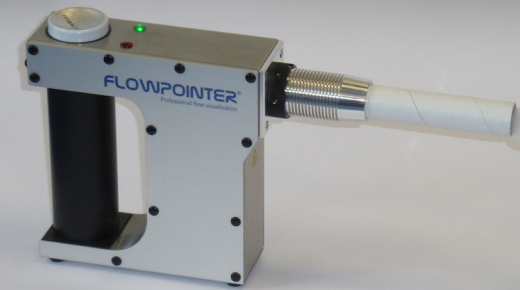
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FLOWPOINTER®

A new tool for professional flow visualization

The FlowPointer® was specifically developed for the visualization and analysis of slow moving airflows with endless applications in many industries. It is the smaller brother of the successful FlowMarker® and built on the same powerful and reliable platform for continuous performance. Its stainless steel housing makes it just as rugged. But due to the much smaller size and at less than half the weight the FlowPointer® is much easier to handle and supports extended uses. The FlowPointer® requires the original SAFEX® fog fluid which is based on their proven theatrical products, and comes in pressurized FlowPointer® cans specifically modified to fit the smaller housing.

Dense, thermally inactive fog

The FlowPointer® generates an almost impulse-free, thermally neutral fog which allows air flow visualization in the lowest of velocity ranges but up to 3 m/s (fpm). The amount and density of the fog can easily be adjusted on the unit.

The fog is harmless to people, animals, and plants, and approved for use indoors even in clean rooms and hospital environments.

Low maintenance operation

After a quick warm-up time while placed on the base station, the FlowPointer® produces fog for up to 5 minutes before it requires reheating.

Its application tube allows directing the fog and it also collects any condensing fog droplets which may occur during heavy use. The tube should be replaced when soaking wet.

100% Duty-cycle

The FlowPointer® is designed to be used continuously around the clock for years with only minimal maintenance (every three years based on duty cycle). Conditions include non-corrosive indoor environments not exposed to water or condensation. See the instruction manual for details.

Easy to use

Insert a fog fluid can into the receptacle and heat up the FlowPointer® by placing it onto the base station. The green light will illuminate to indicate the unit is ready to use.

To produce fog simply press down on the fluid can.

The red light comes on to indicate when the unit needs reheating on the base station.

Scope of delivery

The FlowPointer® basic kit includes:

- FlowPointer® device
- Base station
- Universal power supply
- Three application tubes
- One can of SAFEX® fog fluid
- Instruction manual and warranty information

Consumables:

- SAFEX® fog fluid
Three fluid cans per carton
- Application tubes
10 tubes per carton
- Cleaning kit
Set of two sponge swabs for cleaning the fluid can receptacle.

Typical applications

- Airflow testing in product development to analyze airflow patterns and detect trouble spots
- HVAC testing in critical areas in hospitals, clean rooms, data centers, and other fresh air or temperature sensitive areas
- Residential and commercial building audits: air tightness testing, leak testing at windows, doors, and penetrations, blower door test, duct leakage test, HVAC performance testing, HERS rating, investigate comfort complaints
- Education: flow visualization in school and university
- Fume cupboard/fume hood performance testing

TECHNICAL DATA FlowPointer®

OPERATING VOLTAGE	12 VDC (power supply)
MAX. POWER INPUT	8.5 A (in heating operation) Heating power 100 W
POWER SUPPLY	Desktop Switching Power Supply Input: 100-240 VAC, 3 A, 50-60 Hz Output: 12 VDC, 10 A
DIMENSIONS	
FlowPointer device	Length: 200 mm (8") w/o appl. tube 285 mm (11.2") w/application tube Width: 50 mm (2") Height: 151 mm (6") Weight: 0.97 kg (2.2 lbs)
Base Station	Length: 180 mm (7.1") Width: 94 mm (3.7") Height 40 mm (1.6") Weight: 1.54 kg (3.4 lbs)
HEATING UP TIME	Approx. 4 min
OPERATING TIME	2-5 min depending on intensity of use
AUTO OFF:	Approx. 3 hours after last activation
FLUID CONSUMPTION:	Approx. 0.5 ml/min with continuous fog generation
FOG PERFORMANCE:	Can volume lasts for approx. 80 minutes of continuous use or for about 480 cycles of approx. 10 seconds each
FOG FLUID:	SAFEX® FlowPointer® fog fluid
FLUID CAN:	Pressurized aerosol can according to UN No.1950 „AEROSOLS“ Can weight: 45 g (1.59 oz) Can volume: 45 ml (1.45 fl.oz.)

Technical data subject to change without notice.