



## Steam Trap Testing Equipment VAPOPHONE VKP 10

### Description

The VAPOPHONE is used to detect steam leakage in steam systems in order to prevent live steam loss. It is particularly suitable for monitoring steam traps and stop valves.

Live steam leakage is detected by sound in the ultrasonic range caused by flowing steam. The mechanical ultrasonic vibrations are detected by the sound probe of the VAPOPHONE and converted into electric signals which are amplified in the measuring instrument and indicated on a meter.

Owing to mechanical and electronic filtering, the VAPOPHONE is most sensitive at frequencies between 40 to 60 kHz. As long as the steam trap operates correctly or the stop valve is closed tight the pointer on the meter will be close to zero. When steam loss occurs the pointer deflects in proportion to the steam leakage.

The VAPOPHONE is unaffected by ambient noise in the audible range. The power supply is provided by an integral rechargeable battery.

### Design

The VAPOPHONE consists of the sound probe, the electronic measuring instrument (indicating meter), the connecting cable and the battery charger (100 - 240 V AC, 50/60 Hz). The equipment is supplied in a shoulder-strap bag.

The VAPOPHONE is switched on and off with the rotary switch which is also used for testing the battery and for adjusting the sensitivity of response in accordance with the prevailing operating conditions.

### Technical Data

#### Electronic measuring instrument (display unit)

Plastic case with rotary switch and analogue meter  
Battery compartment integrated in case  
Connector socket for sound probe cable  
Protection IP 41

Max. admissible service temperature: 70 °C

Min. admissible service temperature: 0 °C

#### Power supply

Power is supplied by a 9 V NiCd storage battery or by the power supply unit that comes with the VKP 10.

#### Sound probe

Power is supplied to the probe by the storage battery of the measuring instrument.

#### Battery charger

100 - 240 V AC, 50/60 Hz)

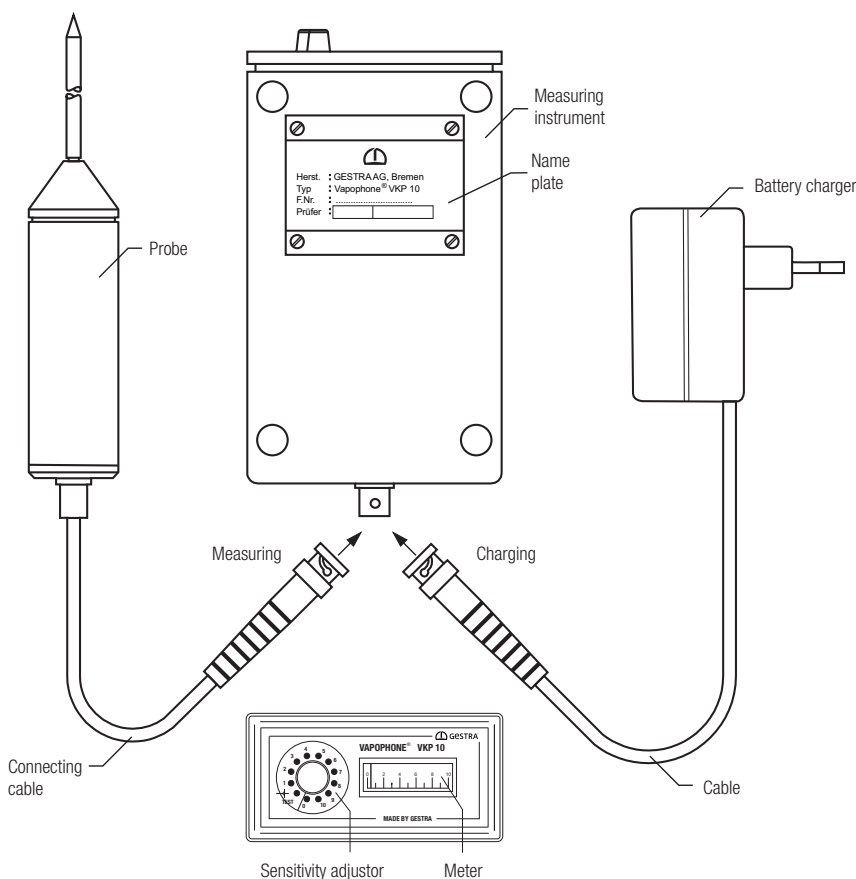
Output: 5.8 - 11.6 V

#### Weight

Leather bag with contents: approx. 2 kg

#### Dimensions

Leather bag:	200 x 190 x 90 mm
Measuring instrument	90 x 45 x 160 mm (width/height/depth)



#### ATTENTION:

Do **NOT** use the VAPOPHONE in potentially explosive atmospheres!

Steam Trap Testing Equipment  
 VAPOPHONE  
**VKP 10**

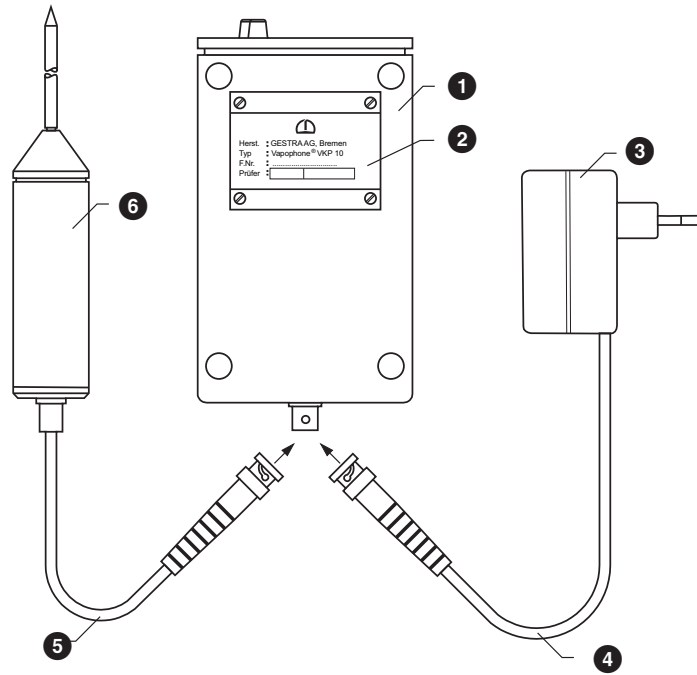
**Order & Enquiry Specification**

GESTRA VAPOPHONE VKP 10

Ultrasonic detector for detecting steam leakage in steam systems and for monitoring and testing steam traps of all types and makes as well as stop valves.

**The equipment is not approved for application in potentially explosive atmospheres!**

**Spare Parts**



Designation	Stock code
<b>A</b> Measuring instrument (display device) <sup>1)</sup>	
<b>F</b> Sound probe <sup>1)</sup>	
<b>E</b> Connecting cable BNC 100	321509
<b>C</b> Battery charger 100 - 240 V AC / 50/60 Hz incl. cable	321510

<sup>1)</sup> We recommend having the display device and sound probe recalibrated by the manufacturer after no more than 2 years.

Supply in accordance with our general terms of business.

**GESTRA AG**

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