



GESTRA® Steam Trap Testing Equipment · Product Range A1

VKP 10

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 (220 V/50 Hz or 110 V/60 Hz charging sets are available). The equipment is supplied in a shoulder-strap bag.

The VAPOPHONE is switched on and off with the knob 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

Plastic case with knob 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.

Probe

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

Power supply unit

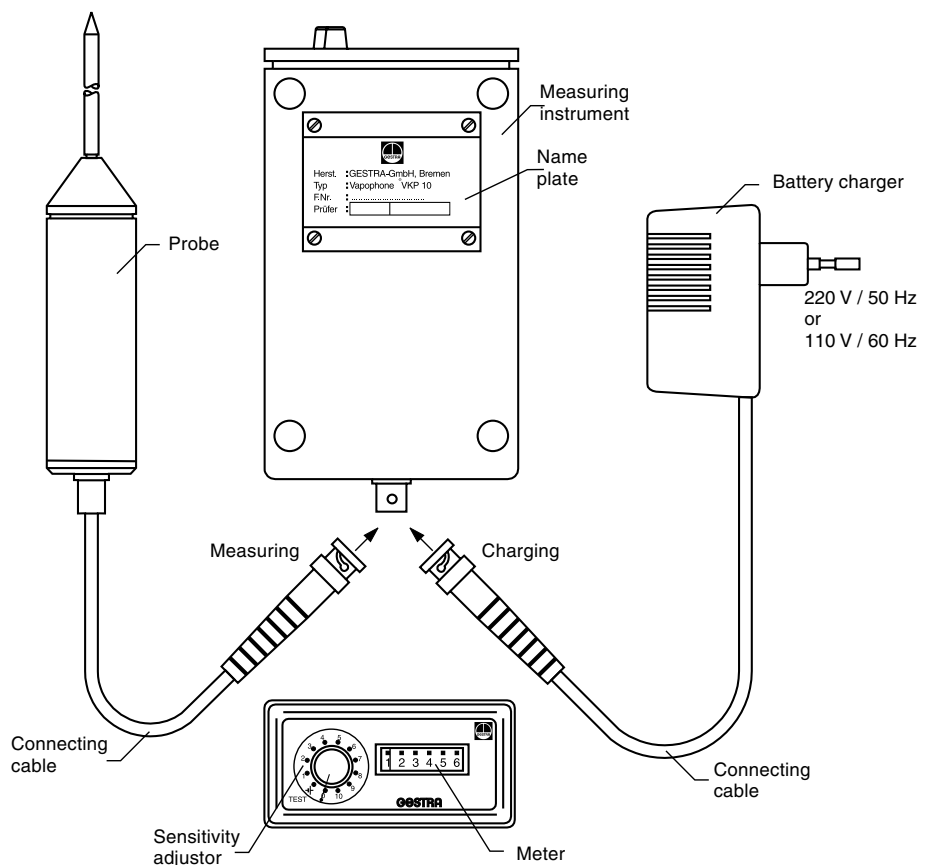
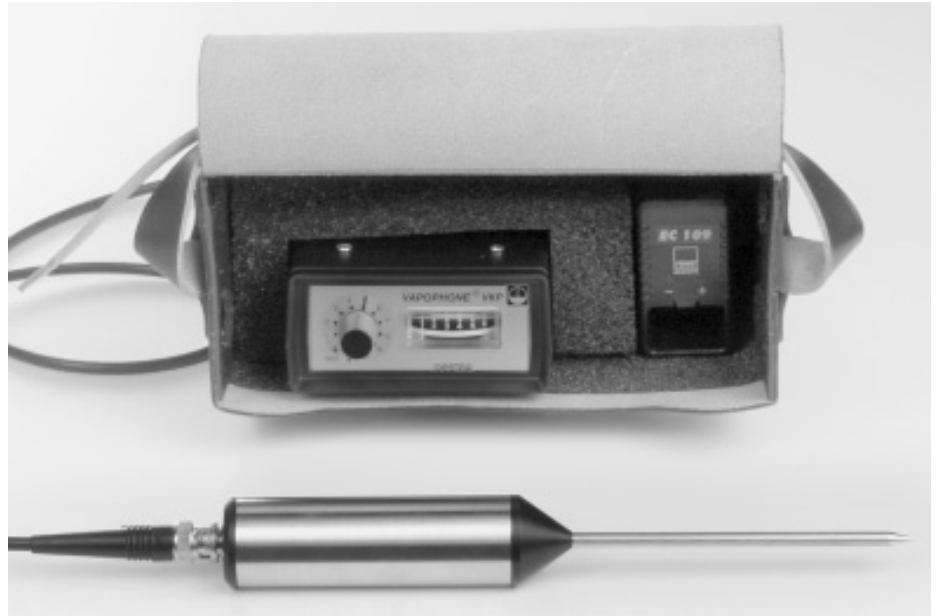
230 V / 50 Hz
(other ratings available on request)
Output: 12 V

Weight

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:

Note that the VAPOPHONE must not be used in potentially explosive atmospheres.

Steam Trap Testing Equipment VAOPHONE VKP 10

Order & Enquiry Specification

GESTRA VAOPHONE 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!

Notes regarding other steam trap testing equipment

GESTRA **TRAPtest** steam trap monitoring, recording and evaluation system for steam traps of all types and makes:

- For application in explosion-risk areas: **VKP 40ex**
BVS 03 ATEX E 149
CE 0158 Ex II 2G Eex iB II C T4
- For application in areas that are not potentially explosive: **VKP 40**

The **TRAPtest VKP 40ex** and **VKP 40** are suitable for detecting steam traps causing loss of live steam or banking up of condensate.

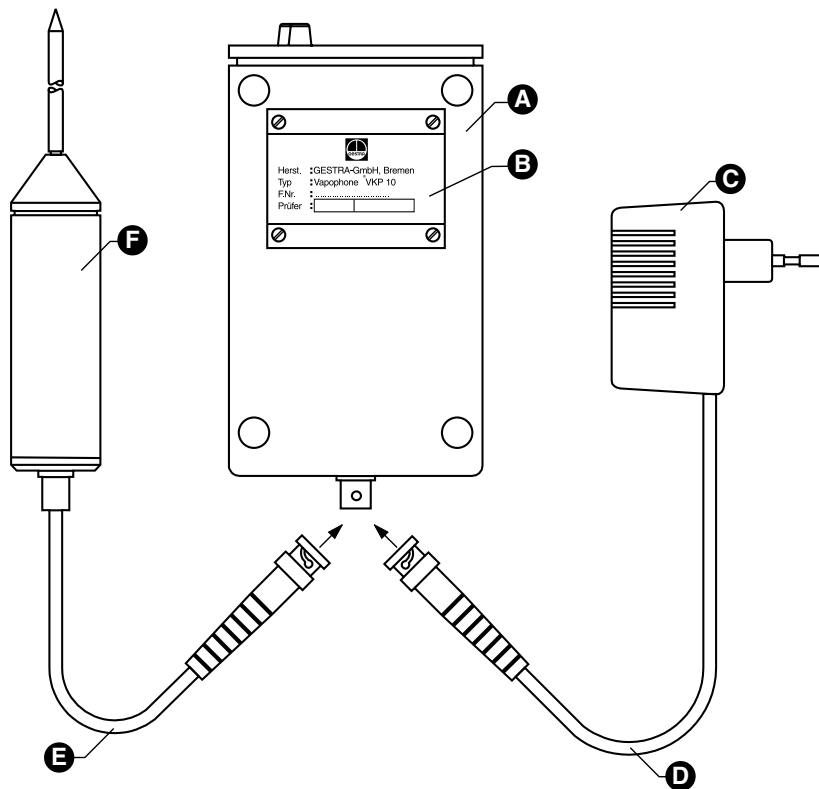
Features:

- Automatic evaluation of the tested steam traps
- Software suitable for operating systems Windows 95, 98, 2000 and Windows XP
- PC program **independent** of country-specific Windows version
- No special PC knowledge required
- Integrated temperature measurement

The equipment identifies not only faulty steam traps by detecting the ultrasonic vibrations emitted by traps that blow live steam, but also measures at the same time the temperature of the trap body. These temperature readings in combination with the specified operating pressure make it possible to detect the banking up of condensate ahead of steam traps.

- Automatic quantification of steam loss
- Indication of economic losses at a mouse click
- Various country-specific conditions such as power supply, paper size etc. have been taken into account
- User-friendly handheld probe for storing test results
- Dust and splash-proof handheld probe (protection IP 65). With illuminated display and charging indicator.
- 5 functional keys ensure ease of operation of the probe
- Data exchange with PC at a mouse click

Supply in accordance with our general terms of business.



Spare Parts

Designation	Stock code
A Measuring instrument 1)	056770
F Sound probe 1)	056673
E Connecting cable BNC 100	051162
C Battery charger 110 V / 60 Hz	057443
C Battery charger 220 V / 50 Hz	056871
Leather bag	056942

1) The measuring instrument and the sound probe must be properly adjusted.



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