

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 (230 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.

Charger

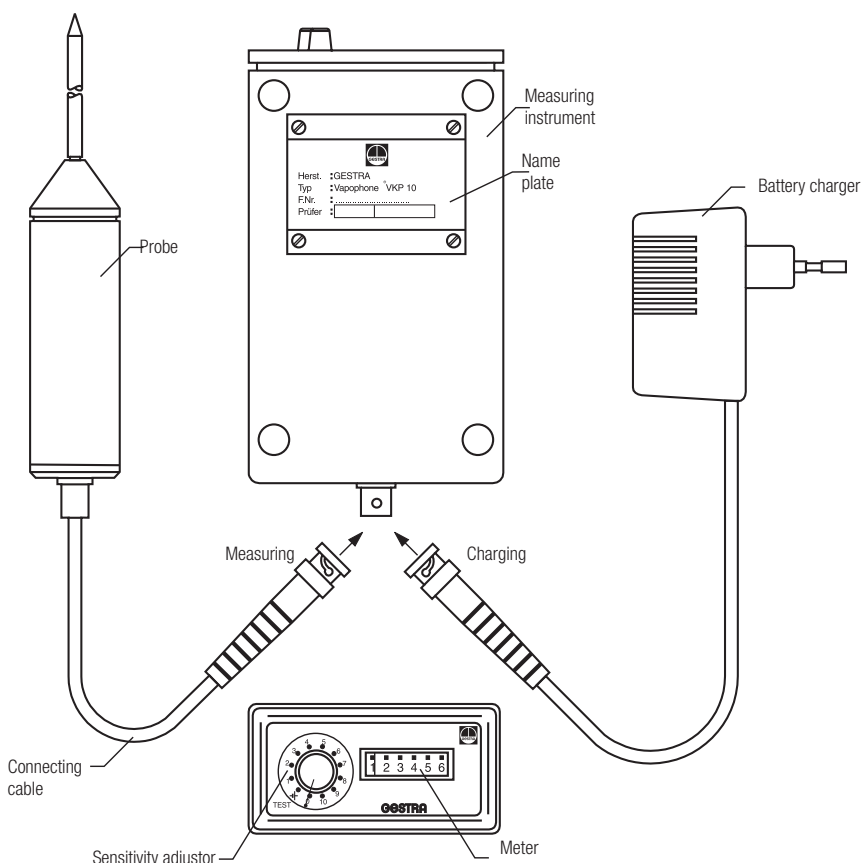
230 V / 50 Hz or 110 V / 60 Hz
(other ratings available on request)
Output: 12 V

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.

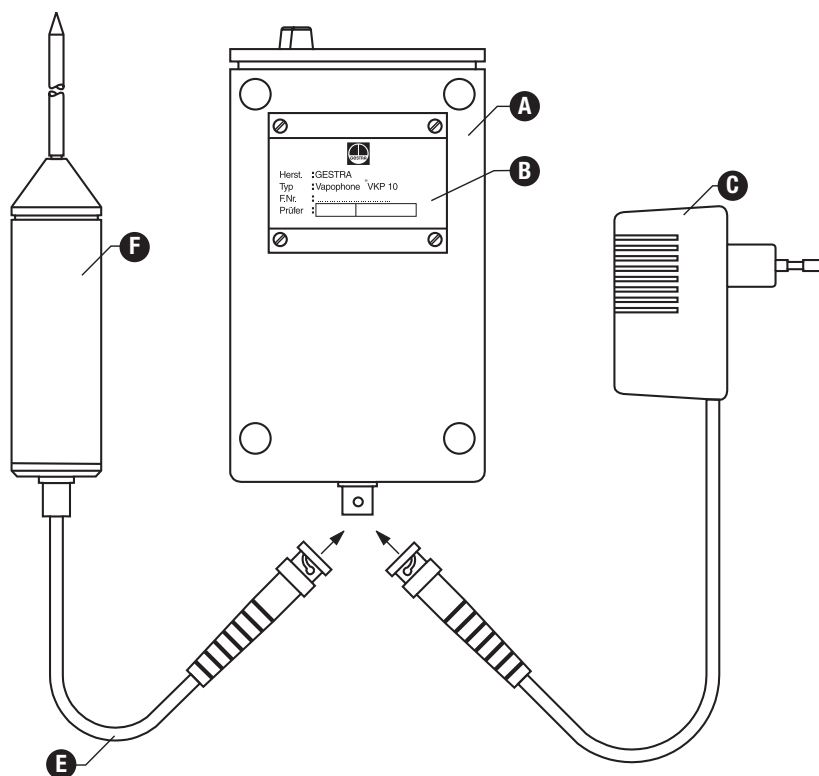
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Order & Enquiry Specification

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
A Measuring instrument ¹⁾	
F Sound probe ¹⁾	
E Connecting cable BNC 100	051162
C Battery charger 110 - 240 V AC / 50/60 Hz	056871

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

Supply in accordance with our general terms of business.

GESTRA AG

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