The steam trap testing system consists of the sate. makes collector risk areas) for checking steam traps of given application. It makes possible to decide which steam trap system is the best choice for a maintenance program. As a result it will be easier to implement a consistent, regularly scheduled trap test program. A diagnostic system creates a custom database of historical test results and with test results from other places of installation, current test results can then be compared with previous test results and with test results from other places of installation. In the long term, a custom database is created that shows historical survey data and enables the implementation of a consistent, regularly scheduled trap maintenance program. As a result it will be easier to decide which steam trap system is the best choice for a given application.

System description
Steam trap testing, recording and evaluation system TRAPtest VKP 40, VKP 40ex

Features of the VKP 40 / VKP 40ex
- PC software independent of country-specific Windows version
- Universally applicable for steam traps of all types and makes
- Automatic evaluation of tested steam traps
- Convenient and easy-to-use PC software for entering and organizing steam trap data
- User-friendly financial analysis with results indicated in specified currency
- Prints maintenance and repair work orders in the form of a clear and concise list
- Export and import functions allow exporting databases created on other PCs and importing databases to other PCs
- Databases created by the predecessor VKP 30 can be imported at a mouse-click
- Other languages (in addition to German, English, Norwegian and Turkish) can be easily added
- Data exchange between PC and hand-held data collector at a mouse-click
- Comprehensive online documentation
- Country-specific features such as power supply rating, paper size, etc.

Hand-held data collector
- Data collector with convenient operating panel (membrane keypad with only 5 keys) for easy handling
- Integrated temperature measurement for detecting blocked steam traps
- Test measurements for ad hoc trap tests and automatic analysis without previous data entry on the PC
- Immediate visual indication of steam blowing traps
- No special knowledge required for testing
- Backlit graphics display shows recorded sound curves
- Protected against dust and splashing water: protection IP 65

Data collector VKP 40ex and measuring transducer VKPS 40ex for application in explosion-risk areas
- Approved BVS 04 ATEX E 234
- CE 0158 Ex II 2G Ex ib IIC T4
- Type approval according to UL 913 in preparation

Scope of supply
1 Data collector VKP 40 / VKP 40ex
1 Measuring transducer VKPS 40ex
1 Connecting cable VKPA 40 incl. power supply unit and connecting cable with serial connector for connecting the data collector with the PC
3 Adaptor plugs for international usability
1 Strap for data collector
1 Holster for measuring transducer
1 Carrying case
1 TRAPtest software on CD ROM
1 Operating manual
Adaptor for USB interface available on request
Steam Trap Testing, Recording and Evaluation System
TRAPtest VKP 40, VKP 40ex

Technical Data

System requirements
Windows 98, 2000, NT 4 (SP6), XP, CD ROM drive
Minimum requirements
Computer with Pentium compatible processor with
700 MHz, 100 MB free hard disk memory, 128 MB RAM
Recommended:
Computer with Pentium compatible processor with
1.2 GHz, 200 MB free hard disk memory, 256 MB RAM

Test duration
Min. 10 sec., max. 20 sec.

Data collector VKP 40ex / VKP 40
Plastic casing with backlit display.
Illumination can be switched on and off.
Illumination switches off automatically after 10 sec. if
no key is pressed.
Resolution of graphic display: 128 x 64 pixels.
Membrane keypad with 5 buttons.
Storage capacity sufficient for approx. 1200 steam traps
allocated to max. 500 test tasks.
Power supplied by two pre-installed Li-Polymer rechargeable batteries, capacity 1800 mAh.
4 hours charging empty battery provides approx. 8 hours operating time.
Max. operating voltage 3.3 V
Max. power consumption 0.25 A
Operating temperature –10 °C to 50 °C
Max. admissible service temperature: 50 °C
Min. admissible service temperature: –10 °C
Degree of humidity: 0 % to 90 % (not condensed)
Protection IP 65

Approval VKP 40ex
Approval BVS 04 ATEX E 234
CE 0158 Ex II 2G EEX ib IIC T4

Measuring transducer VKPS 40ex
Casing made of titanium (3.7035)
Operating temperature –10 °C to 60 °C
Measuring range for surface temperature: 0 °C to 350 °C
Max. admissible service temperature: 60 °C
Min. admissible service temperature: –10 °C
Power supplied by rechargeable battery of the data collector
Max. operating voltage 5.0 V
Max. power consumption 0.03 A

Approval VKPS 40ex
Approved BVS 04 ATEX E 234
CE 0158 Ex II 2G EEX ib IIC T4

Connecting cable VKPA 40
The connecting cable VKPA 40 consists of the power supply unit with integrated connecting cable and circular plug for connecting the data collector VKPN 40ex or VKPN 40 and the connecting cable with a serial connector for connecting the PC.

Order and Enquiry Specification
GESTRA TRAPtest VKP 40
Steam trap testing, recording and evaluation system for checking steam traps of all types and makes, consisting of:
1 Data collector VKPN 40 (incl. rechargeable batteries)
1 Measuring transducer VKPS 40ex
1 CD
1 Connecting cable VKPA 40 (incl. power supply unit and connecting cable with serial connector for connecting the PC)
3 Adaptor plugs for international suitability
1 Carrying case
1 Operating manual
Protection IP 65

or

GESTRA TRAPtest VKP 40ex
Intrinsically safe design for operation in explosion-risk areas.
Steam trap testing, recording and evaluation system for checking steam traps of all types and makes, consisting of:
1 Data collector VKPN 40ex (incl. rechargeable batteries)
1 Measuring transducer VKPS 40ex
1 CD
1 Connecting cable VKPA 40 (incl. power supply unit and connecting cable with serial connector for connecting the PC)
3 Adaptor plugs for international suitability
1 Carrying case
1 Operating manual
Protection IP 65

Approval
BVS 04 ATEX E 234
CE 0158 Ex II 2G EEX ib IIC T4

Approval certificate
Upon request we can present the EC type approval document.
Type approval to UL 913 in preparation.

Supply in accordance with our general terms of business.