

# TAPIR HL 1102 A

Leak detector



VACUUM SOLUTIONS



## Portable

Compact, retractable handle, lightweight, integrated detachable control panel, can be operated at any position

## High performance

Highly sensitive leak detection, minimum detectable leakage rate of  $5 \cdot 10^{-13} \text{ Pa} \cdot \text{m}^3/\text{s}$ , for almost all applications, spray test and sniffing leak detection with helium or hydrogen

## Control and monitoring

High definition color display for maximum readability, intuitive menu navigation, SD memory card for saving and downloading all relevant data, customizable parameter settings

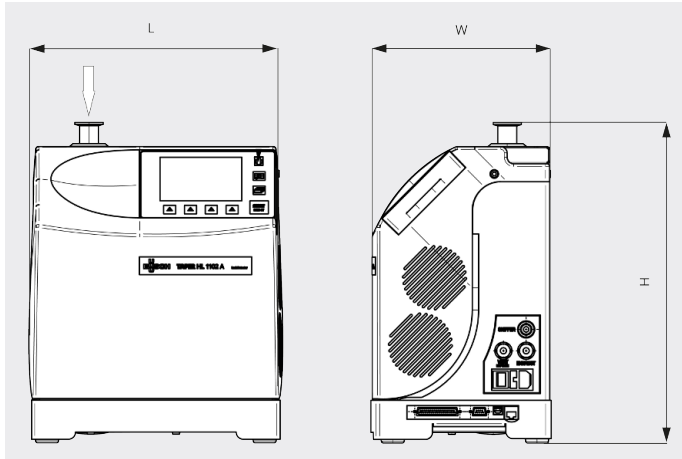
### Accessories

- Helium spray gun kit
- Sniffing probe
- Transport trolley
- Transport box
- Power connection, 2.5 m, UK

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Dimensional drawing



| TAPIR HL 1102 A                                                      |                                                         |
|----------------------------------------------------------------------|---------------------------------------------------------|
| Pumping speed for helium                                             | 1.1 l/s                                                 |
| Response time (sniffing leak detection)                              | < 1 s                                                   |
| Minimum detectable leakage rate for helium (spray test)              | $5 \cdot 10^{-13} \text{ Pa} \cdot \text{m}^3/\text{s}$ |
| Minimum detectable leakage rate for helium (sniffing leak detection) | $1 \cdot 10^{-8} \text{ Pa} \cdot \text{m}^3/\text{s}$  |
| Detectable gases                                                     | $^4\text{He}$ ; $^3\text{He}$ ; $\text{H}_2$            |
| Test method                                                          | Spray test and sniffing leak detection                  |
| Start-up time (20 °C) with calibration                               | < 3.5 min                                               |
| Start-up time (20 °C) without calibration                            | < 2 min                                                 |
| Backing pump                                                         | Diaphragm vacuum pump                                   |
| Pumping speed of backing pump (50 Hz)                                | 1.7 m <sup>3</sup> /h                                   |
| Max. power consumption                                               | 300 W                                                   |

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| TAPIR HL 1102 A                       |                                 |
|---------------------------------------|---------------------------------|
| Power supply                          | 90–240 V (50/60 Hz)             |
| I/O interfaces                        | RS-232; standard 15 pins I/O    |
| Operating temperature (sniffing test) | 10–40 °C                        |
| Operating temperature (spray test)    | 10–40 °C                        |
| Noise level (ISO 2151)                | < 45 dB(A)                      |
| Weight approx.                        | 21 kg                           |
| User interface                        | Color touch screen (detachable) |
| Dimensions (L x W x H)                | 350 x 254 x 415 mm              |
| Connecting flange                     | DN 25 ISO-KF                    |

## DO YOU WANT TO KNOW MORE?

Get in touch with us directly!  
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