

ELD500 PRECISION LEAK DETECTOR

edwardsvacuum.com

Edwards ELD500 fully automated leak detector has arrived. It's designed for fast, accurate leak detection in a wide range of applications and is fully mobile with an easy to use control interface. Edwards ELD500 is your perfect partner in leak detection.

- Low cost of ownership
- Customisable for any application
- Ready to go mobile solution
- High stability and accuracy



Technical data

| ELD500 Leak Detector | Units | Wet | Dry | Flex |
|--|--------------------------------|-------------------------|-------------------------|--------------------------|
| Lowest detectable helium leak rate | | | | |
| Vacuum operation | mbar ls ⁻¹ | ≤ 5 x 10 ⁻¹² | ≤ 3 x 10 ⁻¹¹ | ≤ 5 x 10 ^{-12*} |
| Sniffer operation | mbar ls ⁻¹ | ≤ 7x10 ⁻⁹ | ≤ 7x10 ⁻⁹ | ≤ 7x10 ⁻⁹ |
| Maximum measurable helium leak rate | | | | |
| Vacuum operation | mbar ls ⁻¹ | > 0.1 | > 0.1 | > 0.1 |
| Measurement ranges | decades | 12 | 12 | 12 |
| Maximum permissible inlet pressure | mbar | 15 | 15 | 15 |
| Pumping speed during pumpdown, 50 Hz/60 Hz | m ³ h ⁻¹ | 2.5/3 | 1.6/1.8 | N/A |
| Helium pumping speed in the fine mode | ls ⁻¹ | 3.1 | 3.1 | 3.1 |
| Time constant for leak rate signal | s | < 1 | < 1 | < 1 |
| Time until ready for operation | min | ≤ 2 | ≤ 2 | ≤ 2 |
| Power consumption | VA | 420 | 350 | 200 |
| Inlet flange | | NW25 | NW25 | NW25 |
| Dimensions (WxHxD) | mm | 495x456x314 | 495x456x314 | 495x456x314 |
| Weight | kg | 40 | 35.5 | 30 |

* backing pump dependent

Ordering information

| Product Description | Order Number |
|--|--------------|
| ELD500 WET, 200-240V,50/60Hz | D13510903 |
| ELD500 WET, 100-120V, 60Hz | D13510906 |
| ELD500 DRY, 200-240V,50/60Hz | D13520903 |
| ELD500 DRY, 100-120V, 60Hz | D13520906 |
| ELD500 FLEX, 100-240V,50/60Hz | D13530000 |
| ELD500 RC - Wired - Remote control | D13550100 |
| ELD500 RC - Wireless - Remote control | D13550110 |
| ELD500 RC - Wired - 8m extension cable | 14022 |
| ELD500 RC - Wireless - Extra transmitter | D13550130 |
| ELD500 SL - Standard sniffer line 4m | D13550300 |
| ELD500 SL - Extended SL Interface | D13550200 |
| ELD500 SL - Extended sniffer line 5m | 14008 |
| ELD500 SL - Extended sniffer line 20m | 14009 |
| ELD500 SL - Extended sniffer line 50m | 12183 |

| Product Description | Order Number |
|---|--------------|
| ELD500 Partial flow adaptor | D13550400 |
| ELD500 Transport Case | D13550500 |
| ELD500 Cart without Ebox | D13550600 |
| ELD500 Cart with 230V Ebox | D13550610 |
| ELD500 Cart with 115V Ebox | D13550620 |
| ELD500 SG - Helium spray gun | 16555 |
| CL-Internal calibrated leak | D13550910 |
| CL-Cal Leak bspk. 0.5 - 1E-7. Screw Skt | D13550930 |
| CL-calibrated leak HE 4 to 6 | D13550950 |

Extended warranty

| Product Description | Order Number |
|---|--------------|
| Extended warranty from 18 months to 3 yrs | EW3AA5100 |
| Extended warranty from 18 months to 5 yrs | EW5AA5100 |

GLOBAL CONTACTS

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