

ELD500 PRECISION LEAK DETECTOR

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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	ELD500	ELD500 DRY	ELD500 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	11
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
IP protection class	IP	40	40	40
Dimensions (WxHxD)	mm	495x456x314	495x456x314	495x456x314
Weight	kg	40	35.5	30

* Backing pump dependent

** Dependent on sniffer line and ambient conditions. Leak rate display after zero: ≤ 1 x 10⁻⁸ mbarl/s with ELD500 SL

Ordering information

Product Description	Order Number
ELD500, 200-240V,50/60Hz	D13510903
ELD500, 100-120V, 50/60Hz	D13510904
ELD500, 100-120V, 60Hz	D13510906
ELD500 DRY, 200-240V,50/60Hz	D13520903
ELD500 DRY, 100-120V, 50/60Hz	D13520904
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

Product Description	Order Number
ELD500 SL - Extended sniffer line 50m	12183
ELD500 Partial flow adaptor	D13550400
ELD500 Transport Case	D13550500
ELD500 Cart without Ebox	D13550600
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

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