



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	ELD500	ELD500 DRY	ELD500 FLEX
Lowest detectable helium leak rate				
Vacuum operation	mbar ls ⁻¹	$\leq 5 \times 10^{-12}$	$\leq 3 \times 10^{-11}$	$\leq 5 \times 10^{-12}$ *
Sniffer operation	mbar ls ⁻¹	$\leq 1 \times 10^{-7}$	$\leq 1 \times 10^{-7}$	$\leq 1 \times 10^{-7}$
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
Protection class	IP	40	40	40
Dimensions (WxHxD)	mm	495 x 456 x 314	495 x 456 x 314	495 x 456 x 314
Weight	kg	40	35.5	30

* Backing pump dependent

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
Extension cable for remote control, 10 m	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	14008
ELD500 SL - Extended sniffer line 20m	14009

Product Description	Order Number
ELD500 SL - Extended sniffer line	12183
Partial Flow System ELD 200-240V	D13550403
Partial Flow System ELD 100-120V	D13550406
ELD500 Transport Case	D13550500
ELD500 Cart without Ebox	D13550600
Test gas spray gun, with hose	16555
Internal test leak TL7	D14023
Customizable test leak, screw-in sleeve	D14300
Test leak TL4-6 with helium reservoir	D15580

Extended warranty

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

Publication Number: 3601 0355 01 – Jan. 2025 © Edwards Limited.
 All rights reserved Edwards and the Edwards logo are trademarks of Edwards Limited
 Whilst we make every effort to ensure that we accurately describe our products and services, we give no guarantee as to the accuracy or completeness of any information provided in this datasheet.
 Edwards Ltd, registered in England and Wales
 No. 6124750, registered office: Innovation Drive, Burgess Hill, West Sussex, RH15 9TW, UK.

