

ELD30 Industrial Leak Detector



A detailed close-up photograph of industrial machinery, specifically focusing on several interlocking metal gears. The gears are made of polished metal, likely stainless steel, and show signs of use with some wear on the teeth. The lighting is dramatic, highlighting the metallic surfaces and creating deep shadows in the gaps between the teeth. The background is blurred, emphasizing the intricate mechanical details in the foreground.

EDWARDS THE PARTNER OF CHOICE

Edwards is a world leader in the design, technology and manufacture of vacuum pumps for industrial applications with over 100 years history.

Edwards believes in delivering results that bring value to our customers by using our breadth of industry experience to identify and apply solutions to your problems. Using the most innovative and up-to-date modeling techniques, we can optimize the pumping configuration for customers to provide a system design giving the maximum performance in the most reliable and cost-effective way.

ELD30 Industrial Leak Detector

Fast, Accurate, and Built for Industrial Applications

The Edwards ELD30 is a fully automated helium leak detector, built to meet the demands of modern industrial environments. With rapid start-up, intuitive controls, and exceptional mobility, it delivers fast and accurate leak detection across a wide range of applications.

Engineered for efficiency, the ELD30 combines a proven design with low energy consumption and minimal maintenance needs—delivering outstanding performance with reduced operating costs. From bench-top setups to mobile operations, the ELD30 is ready in under two minutes and built for portability. Its lightweight design and integrated handles make it ideal for flexible deployment. Backed by a high-quality mass spectrometer and integrated test leak, the ELD30 gives you the confidence to make critical decisions based on precise data.



High speed performance

Get results in under three minutes with the ELD30—because fast leak detection means faster decisions and less downtime.



Accurate Reading

With high repeatability and built-in calibration, the ELD30 delivers the accuracy your process demands—no second-guessing, just reliable results.



Lower Costs. Higher Returns.

Get high-end leak detection without high ongoing costs. The ELD30 keeps your total cost of ownership low while maintaining top-tier reliability.

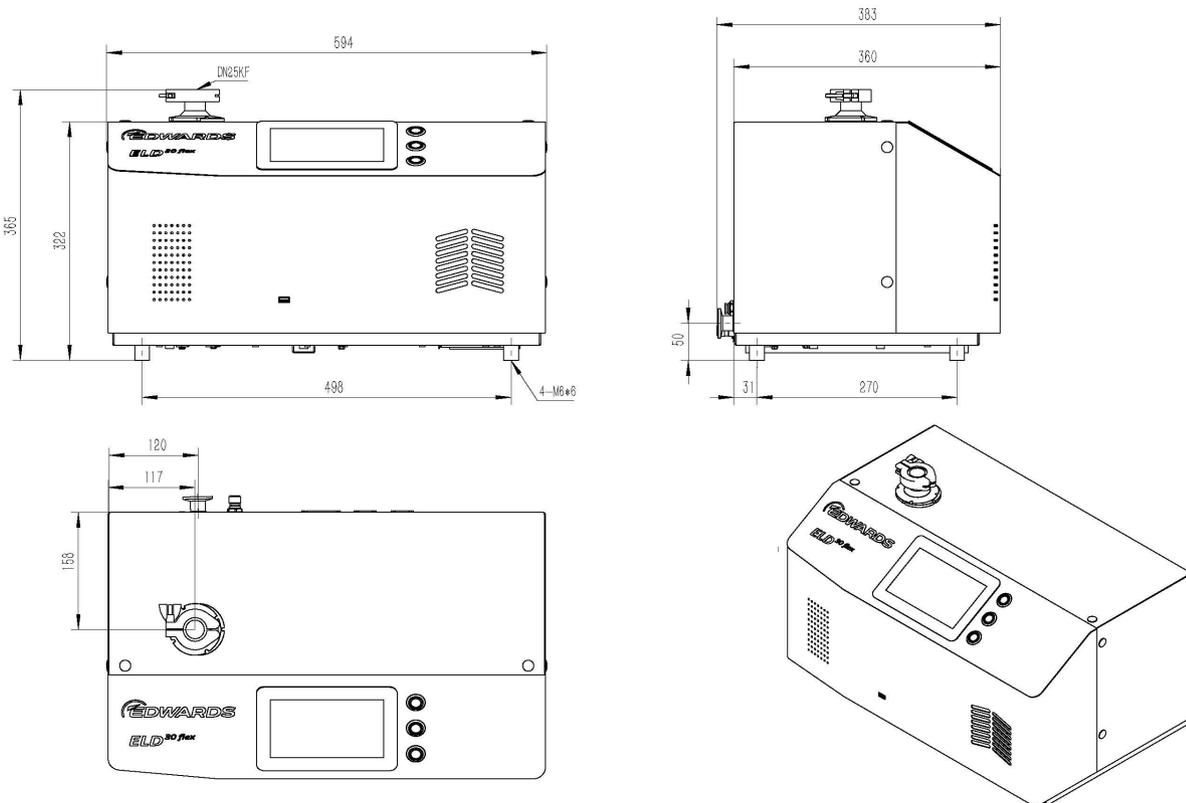
Applications

From pinpoint leak location to ultra-low leak rate detection, the ELD30 ensures consistent, accurate performance across every application.

- **Automotive Manufacturing**
The ELD30 ensures fast, repeatable testing on production lines, helping maintain safety and compliance standards.
- **Aerospace & Aviation**
The ELD30 provides high-sensitivity detection for components like fuel tanks, hydraulic systems, and cabin pressurization units, ensuring reliability at altitude.
- **Pharmaceutical & Medical Devices**
The ELD30 supports both vacuum and sniffer modes, making it ideal for cleanroom testing and validation processes.
- **Industrial Equipment & Machinery**
The ELD30 supports preventive maintenance and quality control, reducing downtime and improving operational efficiency.
- **Packaging & Food Processing**
The ELD30 helps verify seal integrity quickly and reliably, even in high-throughput environments.



Dimensional Drawing



TECHNICAL SPECIFICATION

		ELD30	ELD30 dry	ELD30 flex
Minimum detectable helium leak rate Vacuum mode ULTRA Vacuum mode FINE Vacuum mode GROSS Sniffer mode	mbar x l/s	5×10^{-12} 5×10^{-9} 5×10^{-7} 5×10^{-8}		
Max. inlet pressure ULTRA FINE GROSS	mbar	0.4 2 20		
Pumping speed during the evacuation process	m ³ /h	3	3	-
Backing pump type		rotary vane pump	scroll pump	-
Pumping speed (helium) at the inlet in ULTRA mode	l/s	2.5		
Response time	s	1		
Run-up time (after starting)	s	100		
Mass spectrometer		180° magnetic sector field		
Ion source		2 filaments; iridium / yttrium oxide		
Detectable masses	amu	4		
Inlet port	DN	25 ISO-KF		
Dimensions (W x H x D)	mm	624 x 391 x 487		594 x 365 x 383
Weight	kg	49	48	29
Available languages		Chinese, English, German, Japanese, Korean		

ORDERING INFORMATION

	ELD30	ELD30 dry	ELD30 flex
Region: Asia and Australia			
ELD30 200-230V	D13570903		
ELD30 100-120V	D13570904		
ELD30 dry 230V		D13573903	
ELD30 dry 100V		D13573906	
ELD30 flex, 230V			D13572000
ELD30 flex, 115V			D13572001
Region: Americas, Europe, and Africa			
ELD30 200-230V	D13570903L		
ELD30 100-120V	D13570904L		
ELD30 dry 230V		D13573903L	
ELD30 dry 115V		D13573904L	
ELD30 flex, 230V			D13572000L
ELD30 flex, 115V			D13572001L



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