



SMART-Spray, i-BOOST and SPRAY-Check for UL Leak Detectors

Revolutionarily easy leak detection.

 **INFICON**

Smart enhancements for smart leak detection

SMART-Spray, I-BOOST and SPRAY-Check

Our new and intelligent additions for INFICON UL leak detectors raise leak detection to a whole new level. Rely on quicker response times and on testing periods that produce precise, reliable measurements results. Maximize the performance of your UL leak detectors with SMART-Spray, I-BOOST and SPRAY-Check.

I-BOOST

Better performance, quicker reaction time: use the I-BOOST software in ULTRA vacuum mode and cut the leak detection and location time by up to 50%. Achieve fast, highly precise measurement results thanks to much quicker response times for the most varied chamber volumes.

ADVANTAGES AT A GLANCE

- ✓ Accelerated leak rate signal for ever faster leak tests
- ✓ Test points can be sprayed in shorter intervals
- ✓ Virtual helium pumping rate of up to several hundred l/s
- ✓ Individually adjustable acceleration rates for the best system conditions

SPRAY-Check

Simple installation, substantial benefits
SPRAY-Check is a test leak used to reliably check the functionality and operational readiness when searching for leakage. Relevant range of 10^{-9} to 10^{-8} mbar l/s.

ADVANTAGES AT A GLANCE

- ✓ Can be placed on the vacuum chamber or directly on the leak detector
- ✓ Can be permeated only by test gases, e.g. helium; test chamber is not contaminated
- ✓ Especially fast and safe when checking for leaks in measuring ranges below 10^{-7} mbar l/s
- ✓ Enables determination of dead time (time between spraying helium and increase in leak rate signal on leak detector)



SMART-Spray

No connecting hoses, no effort, no errors: the new SMART-Spray makes leak testing more flexible and efficient than ever. Forget tricky handling of large helium cylinders, working with hoses and cumbersome, time-consuming manual adjustment of the helium spray. SMART-Spray makes leak detection much faster and simpler, and it is more reliable and effective.

ADVANTAGES AT A GLANCE

- ✓ Maximum flexibility and easy handling without a hose
- ✓ Precisely predefined helium quantity for optimum helium flow
- ✓ Refillable mini cartridges (HeliCan) with more than 1000 sprays
- ✓ Integrated color screen showing readiness for use, helium spray duration and leak rate
- ✓ Simple control of leak detector as with remote control
- ✓ Integrated illumination for use in darker leak testing areas
- ✓ USB-C charging port and replaceable battery



SMART-SPRAY, I-BOOST AND SPRAY-CHECK: PRODUCT DEMONSTRATIONS ON SITE

Experience our latest features in action, right at your facility. Discover how SMART-SPRAY, I-BOOST, and SPRAY-CHECK can enhance your specific application with tailored testing processes and seamless integration support. Scan the QR code to schedule an appointment.

SMART-SPRAY, I-BOOST AND SPRAY-CHECK

COMPATIBILITY	SMART-SPRAY	I-BOOST	SPRAY-CHECK
UL1000/UL5000 series	●	●	●
UL3000 Fab/UL6000 Fab series	●	●	●

TECHNICAL DATA

SMART-Spray	
Available flow rates*	S ~ 12 sccm, M ~ 70 sccm, L ~ 250 sccm, XL ~ 1100 sccm
Number of sprays of HeliCan 50 ml**	S > 600, M > 110, L > 30
Number of sprays of HeliCan 405 ml**	S > 5000, M > 900, L > 260, XL > 50
Adjustable duration of each spray	1.0 to 9.9 s
Battery	Li-Ion, 3.63 V, 3.35 Ah, 12.16 Wh
Battery operating time	> 10 h (at full capacity)
Leak detector remote control	All basic functions, such as: start/stop, zero, etc.
Screen	1.8 inch 280 x 320 pixel color display: Graphic/numerical leak rates and status display (remote control, battery, approx. HeliCan level, approx. number of sprays remaining)
I-BOOST acceleration factor	Response time up to 64 times higher
SPRAY-Check TL8 leak rate range	9 x 10 ⁻⁸ mbar l/s
SPRAY-Check TL9 leak rate range	7 x 10 ⁻⁹ mbar l/s

ORDERING INFORMATION

PRODUCT	Cat. no.
SMART-Spray helium spray gun set***	551-050
I-BOOST software license	551-600
SPRAY-Check TL8	551-031
SPRAY-Check TL9	551-032
ACCESSORIES	
HeliCan helium cartridge, 50 ml - empty	551-065
HeliCan helium cartridge, 405 ml - empty	551-066
HeliCan helium cartridge, 50 ml, 6 bar	551-067
HeliCan helium cartridge, 405 ml, 6 bar (hazardous material)	551-068
HeliCan helium cartridge, 405 ml, 1.9 bar	551-068A
Filling station for HeliCan helium cartridge	551-070
Filling adapter for filling using a spray tip	Upon request
Battery charger with additional battery	551-080
Battery charger	551-081
Battery	551-085
Flow-Check to check helium flow	Upon request
Protective cover for SMART-Spray	Upon request
Empty case	551-069
Flexible spray tip	Upon request

* At 20 °C ambient temperature

** Number of sprays every two seconds at a filling pressure of 6 bar

*** Incl. Bluetooth transmitter and adapter for UL devices, battery, charger cable, 2 x 50 ml HeliCan, hand strap