

Uson
for good measure

Sprint^{mD}

Multi-Function Leak and Flow Tester



Sprint^{mD}

Designed to deliver fast, reliable, and accurate information when and where you need it, so you can stay in control of your process

Uson

Pioneer of Modern Leak and Flow Testing



Enhanced touchscreen interface and intuitive menu system offers access to a wide range of data and reports



Improved analytics capabilities help to track historical trends and identify process degradation before it impacts the process



Advanced security features, such as user authentication through individual passwords or roles, helps to meet industry compliance requirements

USER EXPERIENCE

Designed With Your Entire Team in Mind

A wide range of multifunctional testing, including both integrity and performances tests, is available to reduce training, ease technology adoption, and simplify maintenance

Fast cycle time and simple programming facilitates maximum production throughput and accommodates complex testing requirements

Self diagnostics provide valuable information about the health of your tester

SECURITY

Security Features to Meet Industry Compliance Requirements

User authentication provided through individual passwords and roles

Authorization to access levels is customizable by user or role within the application, tester, or network file system

Ability to log and monitor changes to parameters enables compliance with standards such as 21 CFR Part 11 (U.S.), MHRA/EU Annex 11, and others

Request a free Feasibility Study for your application at <http://www.uson.com/contact-us/>

Bring your most challenging application, and we'll take a look!



for good measure

The Sprint^{mD} delivers consistent results to help users optimize their process.

At Uson, we work closely with our customers to understand their unique and changing needs. We combine this insight with the knowledge of cutting-edge technologies to predict the future needs of our customers and their industries.



The reimagined touchscreen provides access to a wide range of data. From statistics like pass, fail, minimum, maximum, and standard deviations, to historical graphs and charts, the Sprint^{mD} provides a deep level of information, making it easy to monitor the process.

Uson's experienced and knowledgeable engineers ensure each customer receives increased testing speed, sensitivity, and repeatability. As a pioneer of automated leak testing equipment for medical devices, the automotive, pharmaceutical and medical packaging industries, and others, Uson has more experience in these specialized fields than any other company in the world.

CONNECTIVITY

Information at Your Fingertips to Stay in Control of Your Process

Refined analytics allow users to identify historical trends that reveal process degradation and reduce transcription errors common with manual tracking

Data collection, archiving, and reporting make it easier to handle changes and retrieve data to support quality systems and manage processes

Embedded fieldbus and expanded digital I/O offer easy control and selection of programs

QUALITY & PERFORMANCE

Continuing to Meet the Highest Standards for Leak and Flow Testing

Performance and repeatability are achieved through a redesigned block manifold and low-wattage valves that minimize the chance of leaks, improve field-time repeatability and sensitivity, and reduce dead volume

Upgrade-friendly and service-friendly design, with the versatility to accommodate a wide range of testing and analysis, with up to four channels concurrently

With the largest installed base of leak testers in the medical device industry, Uson builds leak testers and accessories to exacting standards demanded by the world's leading manufacturers. This unrivaled experience and expertise is complemented by global sales and support.

Count on us for quality products and after-sales care.



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SPRINT^{MD} SPECIFICATIONS

MODEL(S)	Sprint ^{MD} (Type-S, Type-C)
DESCRIPTION	Multi-function, configurable leak and flow tester
ENCLOSURE DIMENSIONS	Compact size: 10.5" (H) x 10" (W) x 12" (D)
WEIGHT	15 to 22 lbs, configuration dependent
PNEUMATICS	Integral and highly configurable
TEST PORTS	Standard: 1/8 NPT 1/8 BSP (other interfaces available by request), Front or Rear
COUPLE PORTS	2 or 4, 3-way pneumatic couple ports available
LEAK MEASUREMENT	Calculated flow or delta pressure
PRESSURE RANGE	Standard: Vacuum to 100 psi
ACCURACY (PRESSURE)	0.25 TO 0.50%FS (pressure range dependent)
PRESSURE RESOLUTION	24-bit ADC for high-resolution pressure measurement
FLOW RANGE	Standard: Up to 20 liters per minute
ACCURACY (FLOW)	1.0% Full Scale
TESTS	Pressure Decay; Sealed Component; Volume Verification; Inter-Lumen Decay; Vacuum Decay; Occlusion; Back-Pressure; Seal Creep; Burst; Crack; Fast Flush Device
CONFIGURATIONS AND PORTS	Concurrent: 2, 4 Channels Sequential: 1, 2, 3, 4 Channels
DISPLAY	Large 8.5" color touch screen LCD with a rich dashboard-style user interface
PLATFORM	High-speed, quad-core CPU with reliable solid-state memory
LANGUAGES	Standard: English, French, German, Portuguese, Spanish, Chinese, Korean, Japanese
NO. OF PROGRAMS	127
UNITS	User-selectable from a selection of flow and pressure units of measurement
DATA COLLECTION	USB/Ethernet/RS-232
PRINTER SUPPORT	Local Printer Support
SOFTWARE FEATURES	Local authentication, audit logs, test setup, statistics, real-time data, self-test diagnostics
DIGITAL I/O	16 Programmable Inputs/Outputs
DISCRETE PLC INTERFACE	BCD Program Selection, Start, Abort
FIELDBUS	Standard: Modbus RTU Expanded: Ethernet/IP, Profinet, Profibus, other protocols supported by request
COMMUNICATION	USB, Ethernet, RS 232, and Barcode support
POWER SUPPLY	24 VDC from 90 to 264 VAC 47 to 63 Hz supply (auto sensing, multi-voltage power supply)
CERTIFICATIONS	FCC, CE, RoHS II Compliant
CALIBRATION	NIST Traceable, ISO 17025 available
OPTIONS	Remote start/stop button (pendant), Leak Master

Due to a program of continuous development, specifications may be changed without notice.