

STATE-OF-THE-ART. VERSATILE. EASY TO USE.

The new **SMARTEST™ Data Acquisition and Analysis System (DAAS)** can record a wide variety of pressure tests with unsurpassed quality and ease of use for your valve testing needs.



STATE-OF-THE-ART

Software features in LabVIEW include the ability to acquire and display hydrostatic test pressure on a real time chart, automatic data file generation, saves data reports in PDF and .CSV format, automatic or operator input Pass/Fail criteria, variable sample rates.

Expanded software capability available for order such as report customization, multiple input channels, and automatic report delivery via e-mail.

ISO 9001:2015 certified ensures manufacturing to the highest quality standards.

CE certified for use in the European Union or any country where CE certification is required.

VERSATILE

Ability to acquire and analyze data for all types for valves tested such as Gate, Check, Ball, Butterfly, Globe and Relief Valves

Can be paired with any CALDER valve testing system HYDROPRO™ Console with Blind Flange, HYDROPRO™ Hydraulic Flange Seals, HYDROPRO™ Universal Straight Valve Tester, HYDROPRO™ Universal Flange Valve Tester, or the Safety Relief Valve Tester.

DAAS capable of retrofit to a legacy CALDER Valve Testing System as well as many competitors' products.

Three tests available (1) Hydrostatic pressure decay (2) Set pressure (3) Seat leakage.

EASY TO USE

Intuitive control panel layout makes performing a test procedure efficient and easy on the operator.

Extensive operating manual contains easy to follow test procedures.

Quick-connect cables can be easily connected to a pressure transducer/transmitter or changed to another test fixture if needed.

Touch screen display which allows you to perform all your test recording with the touch of your finger.

WHY CHOOSE CALDER!



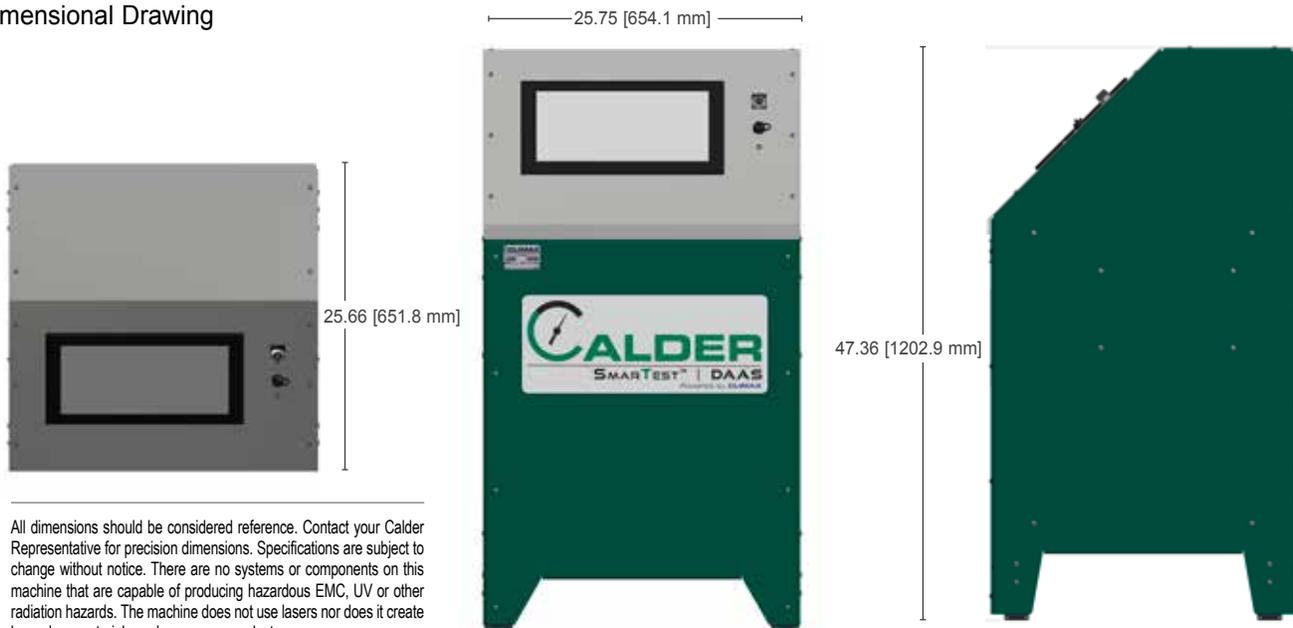
- Ⓒ The modular, highly configurable and field-upgradable design of the new CALDER tester platform is the most flexible and cost-effective way to manage all your valve testing requirements. It can grow and evolve your business
- Ⓒ The new CALDER test systems are designed to be more accurate and precise than other comparable products
- Ⓒ Unique to the valve testing industry, every CALDER component is OEM certified to the maximum pressure specification of the system, for enhanced safety, quality and durability
- Ⓒ CALDER offers users the ability to simultaneously test multiple valves with one system
- Ⓒ Unmatched in the industry, all CALDER systems are backed by a 2 year warranty
- Ⓒ CALDER has global reach and local support through CLIMAX's vast world-wide network
- Ⓒ CALDER offers a complete line of Valve Repair Machines for lapping, grinding and specialized valve machining operations
- Ⓒ CALDER offers a full portfolio of Test Barriers and Hydraulic Seal Clamps among other products
- Ⓒ CALDER offers SMARTEST™ intelligent data acquisition, analysis and control systems for use with our testers
- Ⓒ Custom turn-key system design services from the most experienced engineers
- and valve test experts in the business
- Ⓒ Outrageously good customer service. We are available 24/7!
- Ⓒ End-to-End Solutions; from products, consulting, engineering, custom design, training, start-up, after-sale service, spare parts, repair, and rentals, CALDER offers unmatched value in our industry
- Ⓒ All CALDER products are CE certified and manufactured in our ISO 9001:2015 certified factory
- Ⓒ All CALDER products are proudly made in the USA



SPECIFICATIONS

	Inch	Metric
Machine Performance Ranges		
Computer	15.6 inch panel PC with resistive touch screen and USB port on front	396.2 mm panel PC with resistive touch screen and USB port on front
Temperature range	41 deg F to 95 deg F	5 deg C to 35 deg C
Pressure transducer accuracy	.5% of pressure range	
Power requirements	main power 120v or 230V single phase 50-60Hz	
Capacity	0 - 200 drops/min 0 - 200 bubbles/min	
Measures and Weight		
Machine weight	200 lbs	91 kg
Shipping weight	230 lbs	105 kg
Shipping dimensions	38 x 37 x 54 inches	965 x 940 x 1372 mm
Machine dimensions	Refer to below dimensional drawing	

Dimensional Drawing



All dimensions should be considered reference. Contact your Calder Representative for precision dimensions. Specifications are subject to change without notice. There are no systems or components on this machine that are capable of producing hazardous EMC, UV or other radiation hazards. The machine does not use lasers nor does it create hazardous materials such as gasses or dust.

DAAS CONFIGURATIONS

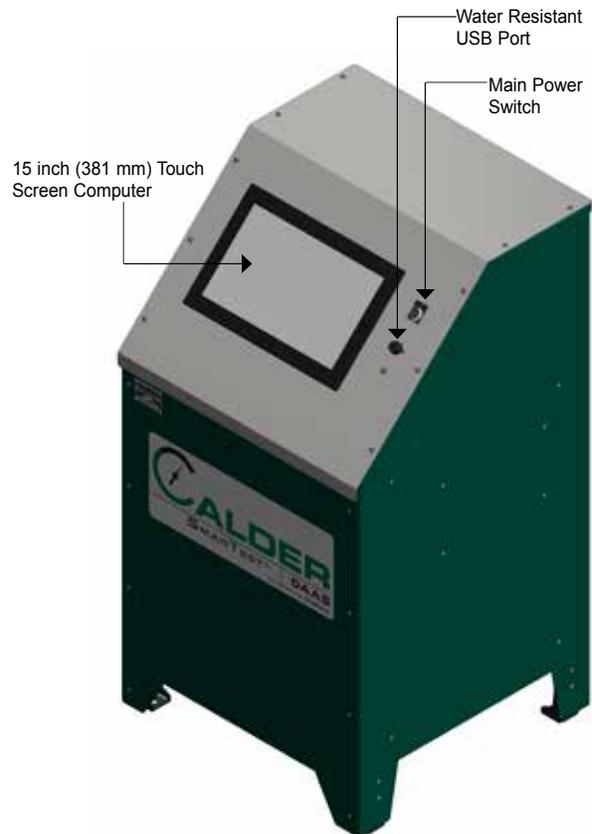


To configure your **SMARTEST™** simply select the option you need then contact your CALDER representative.

The **SMARTEST DAAS** comes standard with:

- Ability to acquire and display hydrostatic test pressure on a real time chart
- Automatic data file and report generation
 - Test report is saved as a .pdf file
 - Raw test data is saved as a .csv file
- Operator input for automatic Pass/Fail determination
- Variable sample rate
- Automatic email reporting

SMARTEST DAAS Console with Computer **90227**
(pressure transducers not included)



ACCESSORIES

Options	Part Number
Temperature sensor kit	88972
Kit Adders	
500 PSI transducer kit	90369
3K PSI transducer kit	88978
6K PSI transducer kit	88979
10K PSI transducer kit	88980
30K PSI transducer (F250C Connection)	90226
Digital leak measurement sensor	90225



Digital Leak Measurement Sensor

SMARTEST PLUS™ DACS

The **SMARTEST PLUS™ DACS** gives the user maximum control of the valve test allowing for increased and unrivaled productivity. The Variable Sample Rate provides a high density data stream which is suitable for most short term tests. With the ability to capture 10 samples per second, that's over 216,000 data points in a 1 hour test. The DACS system is upgradable for multiple input channels giving the user more access to pressure or temperature data. Wi Fi enabled, the system allows the user to send results directly to any email address, while storing results on the DACS hard drive.

Contact your CALDER sales representative to configure your custom **SMARTEST PLUS™ DACS** system.

CALDER VALVE INSTITUTE AND CARE PROGRAM

The Right Training by the Right People!

Our engineers and valve test experts have been teaching the fundamentals and fine points of valve testing operation for as long as we've been inventing and building advanced valve testing systems.

Professional, Experienced Instructors

All training programs are taught by our professional and experienced OEM CALDER trainers. Your instructor will provide valuable information on operator safety, valve test system set-up, operation, and how to keep your valve tester in top operating condition.

Sign up today for training at one of our eight Global CLIMAX | CALDER training centers.

- Portland, Oregon
- Houston, Texas
- Baton Rouge, Louisiana
- Cleveland, Ohio
- Manchester, United Kingdom
- Düren, Germany
- Dubai, United Arab Emirates
- Dammam, Saudi Arabia



CALDER CARE PROGRAM

Preventative maintenance and service package includes:

- ✓ Parts Replacement Guarantee – All parts replaced for the term of the package
- ✓ On-Site Preventive Maintenance – Yearly PM visit by a Certified CALDER Service Technician
- ✓ Technical Assistance by Phone – A CALDER CARE Hotline for 24/7 US-based expert advice from repair professionals
- ✓ Extended Warranty Coverage – CALDER is the only company in our industry with a standard 2 year warranty and offering extended warranty programs out to 5 years!

Call CLIMAX | CALDER for:

RENTALS

On selected models. With 20+ worldwide rental depot locations, you are never far away from CLIMAX.

OEM TRAINING

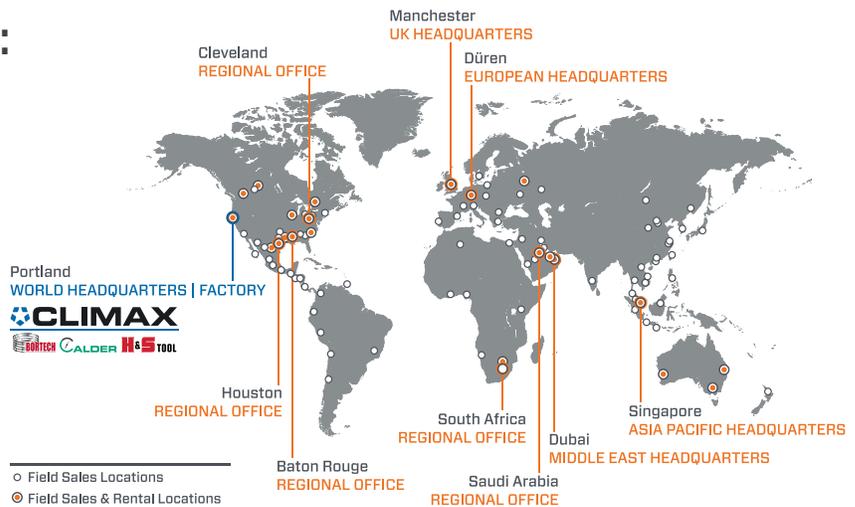
If you need training or on-site consultation, we're famous for it!

SPARES, REPAIR & MAINTENANCE

Call us for anything you need to keep your system running in top condition.

CUSTOM PROJECTS

Custom turn-key system design services from the most experienced engineers in the business!



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