SCITEQ

SIGMA Software



About SIGMA advantages

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Advantages

SCITEQ's browser-based user interface is accessible from any device – any time, anywhere.

- ✓ 4 different user levels
- ✓ Easy recipe set-up
- ✓ Dynamically adjusted real-time finish time
- ✓ Multiple simultaneous users
- ✓ Multiple specimen test per station
- ✓ SQL database compatible with all server types

SIGMA VIDEO

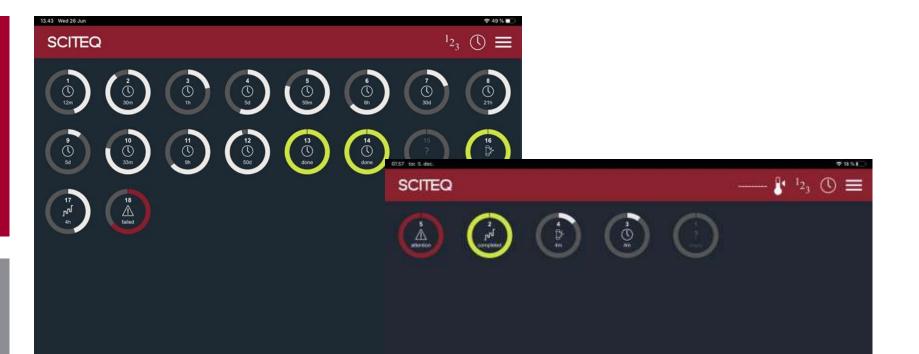


About SIGMA interface

SCITEQ

SIGMA 'One page overview'

The "One page" overview provides full view of all stations. Multiple filtering options. Displaying ongoing tests listed in order ranked according to 'attention urgency'/ time left to completion.



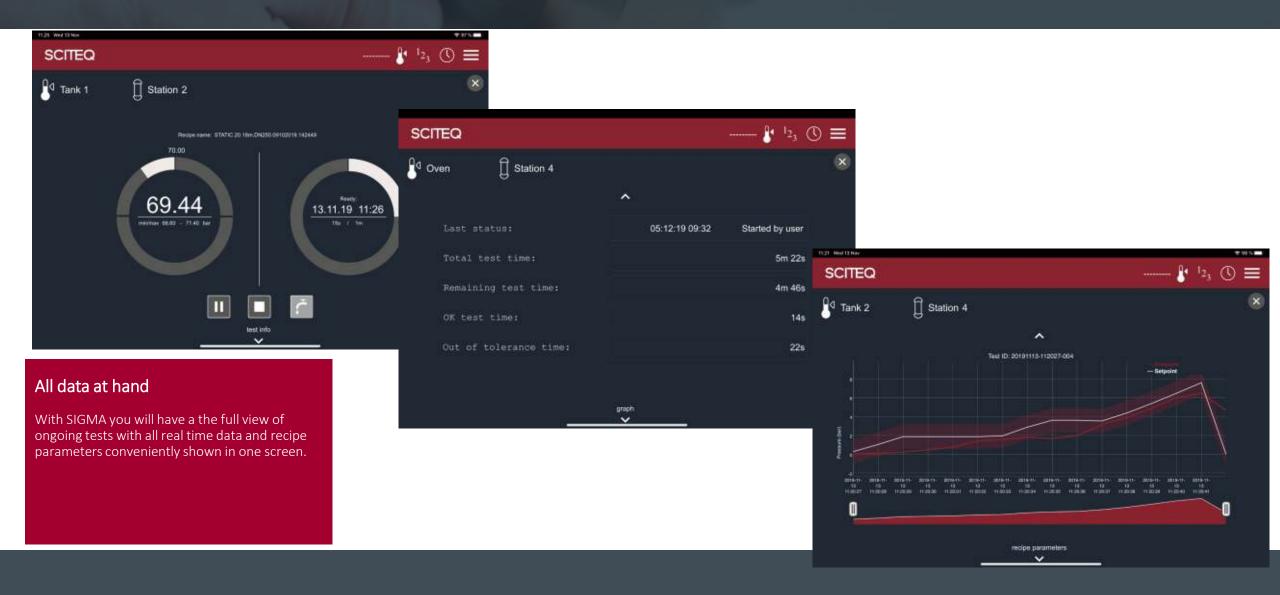
Optimized for touch

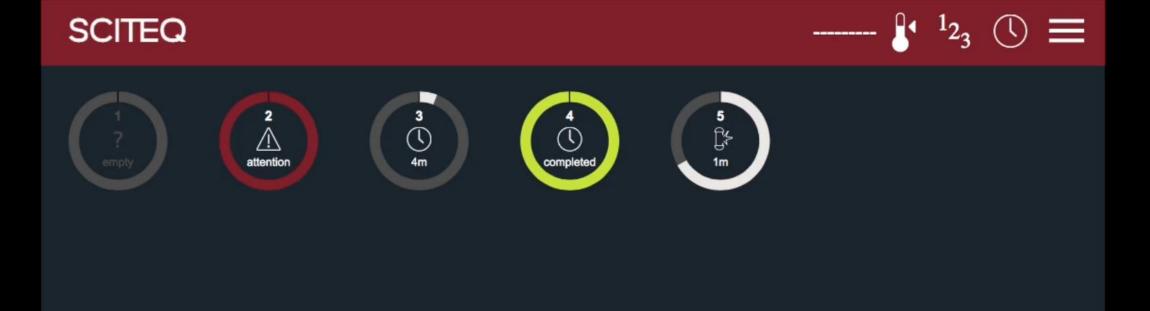
The interface is optimized for touch, but can also be operated with mouse & keyboard.

SCITEQ recommends the use of an iPad pro 11" in shock and water proof cover. This is offered as option for SIGMA pressure installments.

About SIGMA test overview

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About SIGMA recipe

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	<i>11</i>		BURST-85.1m DN2513102019.072510	2019-10-13 07:25:10		70.00 ber		
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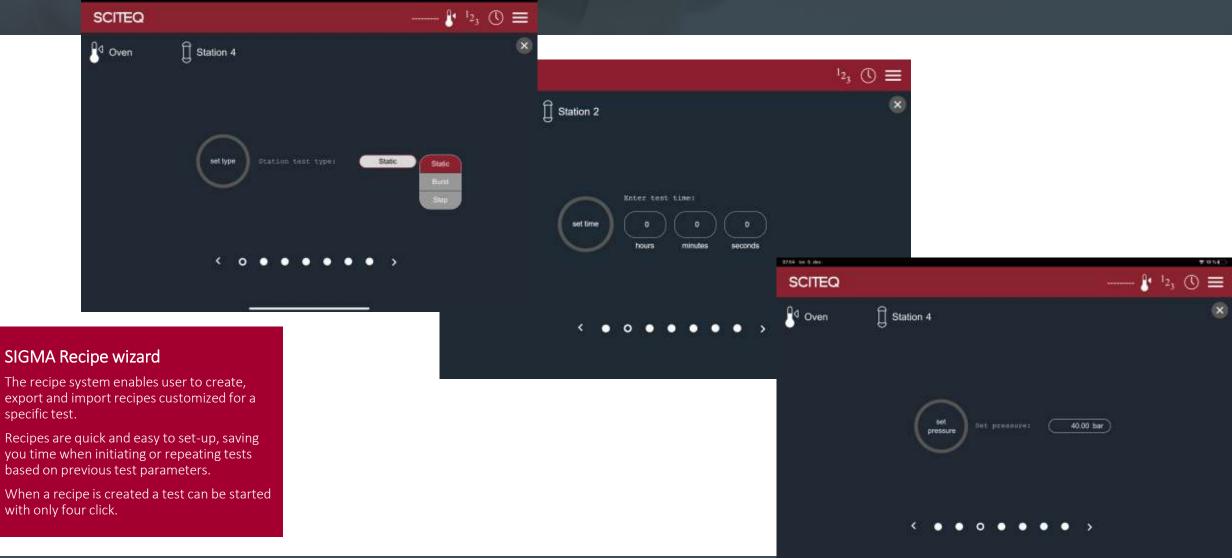


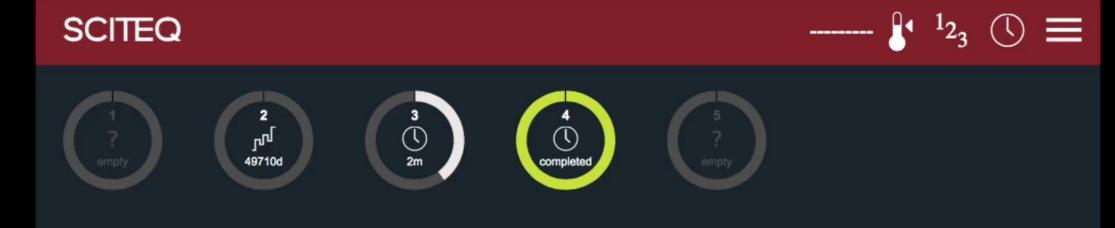




About SIGMA recipe wizard

SCITEQ





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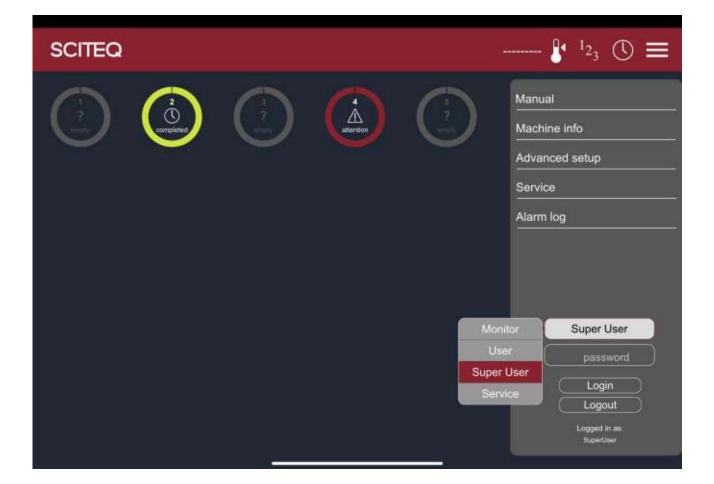
About SIGMA user levels

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SIGMA User levels

The default settings of the four different user-levels from Basic to Advanced ensure convenient and quick start up as well as individual access levels. A view-only access is also included, allowing stakeholders to monitor the entire process remotely when needed. The four levels are:

- ✓ Monitor: Only monitoring
- ✓ User: start and stop of tests
- ✓ Super User: all functions
- ✓ Service: all functions



About SIGMA predictive maintenance

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SIGMA predictive maintenance

The SIGMA solution offers predictive maintenance system ensuring on-time maintenance and replacement of parts due to wear and tear. In case parts needs changing, this can easily be sourced via SCITEQ online spare part shop with individual customer login.

- ✓ Solve irregularities in time
- ✓ Maintenance & cleaning of parts in time
- ✓ Replace parts in time
- Calibrate in time (calibration is done by SCITEQ service engineers)

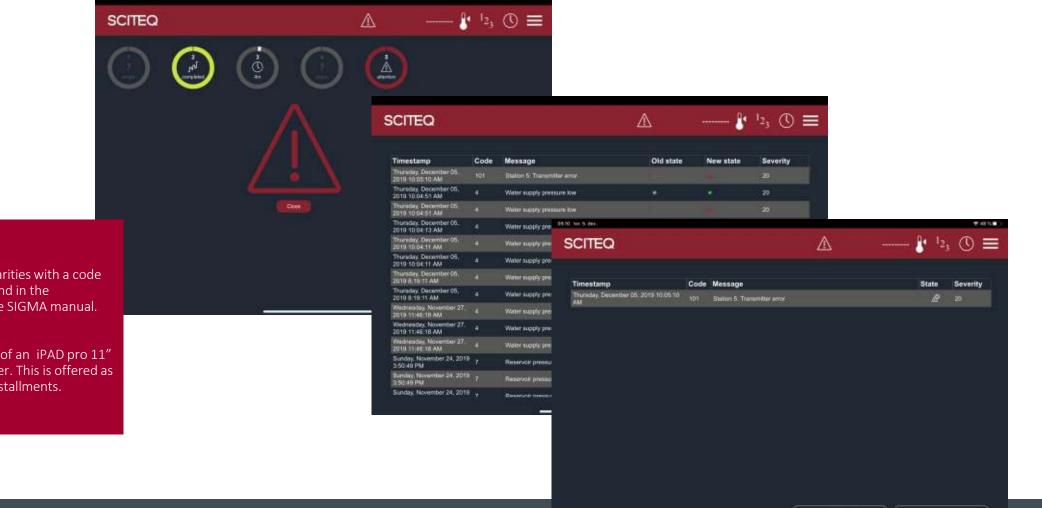


About SIGMA self diagnostic system

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Acknowledge selected

Acknowledge all



Self diagnostic system

The system will alert irregaularities with a code referreing to information found in the 'Troubleshooting guide' in the SIGMA manual.

Alarm

SCITEQ recommends the use of an iPAD pro 11" in shock and water proof cover. This is offered as option for SIGMA pressure installments.

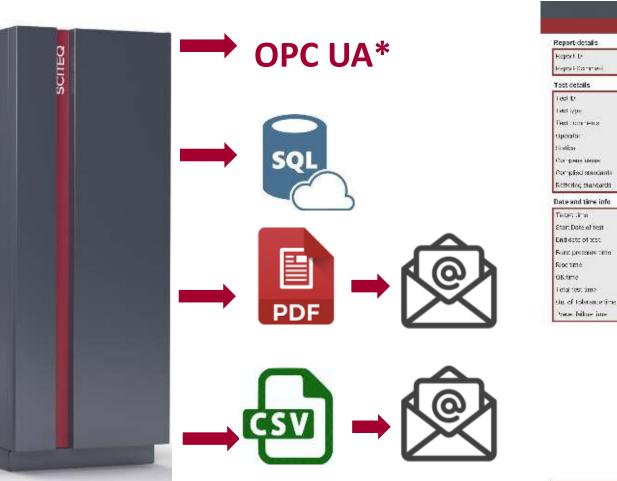
Software SIGMA data output

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Browser based data handling

Data can be extracted by OPC UA and when your test is completed you can export the test data to csv, PDF or directly to your database by SQL.

Completed tests are automatically uploaded to the browser based SIGMA test data page, you simply navigate to the page and export the file according to your preferences.



SIGMA auto generated pdf report

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Software SIGMA data output

SCITEQ

SCITEQ SIGMA TEST DATA

Reports

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SCITE_QC-TEST	2021-03-01 10:54:38	2021-03-01 11:01:20	Activ	20210301-305547-004	2021-03-01 10:55:47	2021-03-0111.01:20	Active
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dicksic	2021-02-24 19:54:17	2021-02-24 20:03:50	Complete		<pre></pre>	I <td>******</td>	******

Test Data Page

All test data from each individual test is stored in the database. Access the data from the unique IP address from any browser.

Choose the specific test from the menu, filter the data you wish to export from the menu or include all data in the auto-generated pdf. report or CSV file.

Software SIGMA data output

SCITEQ

Test report & export of test data

Click boxes in the menu to choose the test data you wish to include in the report (your choice will be auto-saved for future reports). Export to pdf. report template or CSV file.

SCITEQ SIGMA TEST DATA Test report generator Rack Garwine PEF BRIDDOC G Hocisters. Protection 1 Contraction and the second S Linct set S Production on Tenforent temperature to mini Re and protociant Refering conducts 🖸 The series portage to live. C vignunit S Duratio vooure i ma S Mataria Dispartio 🖬 largel dire -S Company tot the S Mateprint and E Report Comment S Wapperman unit Completivity cardy SI Russing CI AAD Maximum and entering of the second S Cord Toring rate (D) Mappenze Jerrit 1 E berpressure 🖬 adaptenta Stat Datrafes Continueg line SOCIAL. C Route Custome El Maladine COMPANY. El bluike Enddaw-ofrest Can of Trianzant time-Station or call are parked BEAL and Sine Alexand E Laborat Repar. Commoné Units Areadary Report ID: 20210301-105547-004 100. --- Press re--- Selasint --- Imperature 199.04 100 1115 ón i-\$1.53 70 60 60.09 ćn-14:12 3 10 30 38.23 20 2854 10 13.15 2.35

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Real-time graph

The graph shows the complete test sequence real-time. During running test it is possible to zoom in/out on the graph for a closer look on a specific time period/sequence.

Network SIGMA network



Get connected

can be entered from a large range of web browsers such as Edge, Chrome, Safari, Firefox, Explore etc. We recommend using an APPLE IPAD PRO 11" to get the full user experience of the UI. The software does support other browser-based devices, however performance may variate. The UI software is preinstalled before on the SIGMA pressure equipment World wide web

About SIGMA general settings

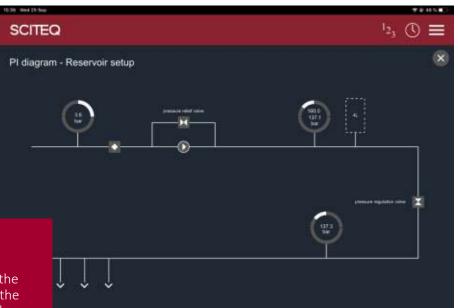
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nfigure Ily set and choose between the guage and measurement units standard.		5	Tank 1(1) Down 1(2) Cond 2(3)
e interface for pressure & tanks, er condition unit is conveniently			

About SIGMA further features

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PI diagramme

The PI diagram provides an overview of the reservoir setup and the components og the pressure test system. The diagram will also conveniently show any irregularities enabling easy troubleshooting

Auto-fill bleed valve

The auto bleed feature will automatically ensure the sample is correctly filled at low pressure enabling quick preparation for accurate test.





Specifications SIGMA Software

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	SIGMA Software/user interface		
One page pressure station overview	\checkmark		
Controller type	SCITEQ-B&R Controller		
Intuitively and user friendly user interface	User interface is designed with focus on minimizing numbers of clicks and reducing complexity		
User interface*	Chrome, Firefox, Edge, Safari, Internet Explore browser or similar.		
User interface control	Optimized for touch screen, but useable with standard mouse and keyboard setup.		
Multiple, password protected, user levels	\checkmark		
Programmable test recipe's	\checkmark		
Recipe library memory	At least 5000 unique recipe's		
Recipe smart search function	\checkmark		
Recipe download/upload	\checkmark		
Secure remote accessible**	\checkmark		
Dynamic test finish time estimate	\checkmark		
Remote software update service incl. ***	\checkmark		
Cloud/server backup	Database can be mirrored to multiple types of cloud/web storage services or external/internal servers		
Test & recipe database system	SQL		
Database storage memory	Approx. 100 GB of free memory for test/recipe data . 1 hour of testing takes approx. 5.4 KB of storage, meaning 1000 test of 10000 hours will take 1000x10000x5.4 = 54000000 KB => 54 GB and so on.		

*SCITEQ is recommending the use of IPAD PRO 11", or similar with screen resolution:2388x1668

Specifications SIGMA Software



	SIGMA Software/user interface
Real time pressure/temp/time -curve	\checkmark
Test modes	Static pressure, Burst and Step test
Bleed/water filling function	\checkmark
Thermo tank specified station overview UX	SIGMA can be set up to only show the stations designated each thermo tank, meaning there will be a controller located with each thermo tank only showing the stations assigned for this tank.
Batch test mode*	\checkmark
Real time system P-I overview	\checkmark
SCITEQ machine error diagnose	\checkmark
SCITEQ preventive maintenance system	\checkmark
System alarm/error log	\checkmark
Post power failure auto resume	\checkmark
Max. quantity of simultaneous users	3
Internal password protected WIFI connection	$\sqrt{2,4 \text{GHZ}}$ and 5 GHZ
Temperature interface	Up to 10 internal or external conditioning systems can be controlled/logged from SIGMA
Required connection	Preferable web access, but system can run offline
Max. pressure station quantity**	100 as standard

*SCITEQ is recommending the use of IPAD PRO 11", or similar with screen resolution:2388x1668

Specifications SIGMA Software



	SIGMA Software/user interface
Test data output	SCITEQ test report, CSV, XLXS, PDF, SQL output and similar
UX accessible by cabled connection	RJ 45 Ethernet and DVI
Controller power supply	24 V DC, but suplied by SCITEQ SIGMA Pressure Cabinet

SCITEQ Service & Support

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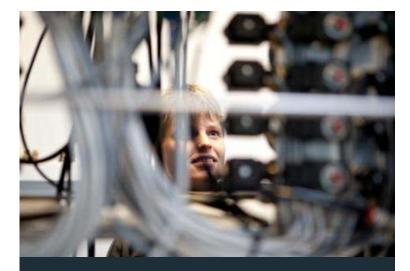
Installation & training

SCITEQ's trained service technicians perform onsite installation of your new SCITEQ equipment as well as onsite or remote training of your operating personnel who will be using the equipment.



SCITEQ Care

You will find the level of service suitable for your test setup with SCITEQ Care. SCITEQ service engineers will visit you annually to perform the best service and calibration. With SCITEQ Basic, More or All Care package you gain access to a long list of advantages, discounts and free support from SCITEQ skilled technician. Learn more about SCITEQ Care



Support online & on-site

SCITEQ offers online and on-site support on all SCITEQ products, for fast and effective problem solving, training, setup, etc. If you have an unforeseen challenge or you need advise asap, you can contact service@sciteq.com or call us for urgent support.