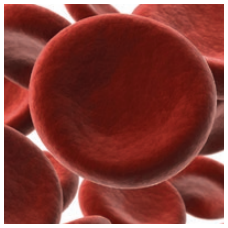
Vascular Assessment

with moorVMS-VASC









moor instruments

innovation in microvascular assessment

moorVMS-VASC – Vascular Testing

The moorVMS-VASC is a vascular monitoring system designed for non-invasive assessment of micro-vascular blood flow in response to standard, and your custom, pressure cuff inflation protocols.

The system combines a blood flow monitor with an automatic cuff control system and new user friendly clinical software. This functionally combined system from Moor enables clinical and research users to simplify the implementation of a wide range of vascular tests including:

- Toe and/or Limb Blood Pressure
- Toe and/or Limb Brachial Pressure Index (TBPI/ABPI)
- Skin Perfusion Pressure (SPP)
- Pulse Volume (PV)
- Post Occlusion Reactive Hyperaemia (PORH)
- Define your own unique test or sequence of tests or use pre-programmed test(s)

Multi-functional:

The moorVMS-VASC system has been specifically designed to aid micro vascular assessments in a variety of physiological research and clinical applications. The user friendly software can be used for single tests or any combination of tests according to your study requirements. This multi-functional system is easily configured enabling you to save user selected and defined test sequences or alternatively perform single tests of your choice. A range of tests are available and the software makes these simple to set-up, customise, and perform. The display of data is clear and uncluttered - clear and intuitive. Reports are available in several customisable formats enabling you to display what you need to enable clear presentation of the information you need.

Why should you choose the moorVMS-VASC system?

USER FRIENDLY INTERFACE - clinical software for standard vascular assessments helps ease workflow and saves set up time. The system is also available with a touchscreen PC (optional).

CUSTOMISABLE – fully flexible protocols allows the user to easily perform customised single tests or sets of test. Save custom test sequences for use on other patients.

EASY TO PERFORM TESTS – speeds up the test sequence and enables standardised test sequences to be performed on multiple occasions. Protocol prompting reminds you if you need to change cuff or probe positioning as part of the test.

DATA EXPORT AND REPORTING – Data obtained from the tests you perform, in addition to the patient database, is easily and fully transferable from the moorVMS-VASC software into other software packages for analysis (i.e. Excel).

PORTABILITY – A fully portable system on the optional clinical cart (as shown) with optional touchscreen PC. The cart comes equipped with an isolation transformer to provide convenient housing and mobility of monitors, PC interface and probes whilst improving portability between locations (ward/clinic/lab etc).

STABILITY – Exceptional measurement stability as verified by monthly calibration checks.

CUFF RANGE – A range of different cuff sizes are available to suit your needs to occlude individual digits up to an adult thigh. Your own cuffs can also be used if preferred.

MEMORY CHIP PROBES - A range of laser Doppler probes are available for skin and under cuff assessments. Memory chip design stores calibration constants and reminds you if calibration is needed.

Questions and Answers

Q. What tests can I perform with moorVMS-VASC?

A. The moorVMS-VASC enables single tests, or combinations of tests (multi-tests) to be performed. These can include: Toe and/or Limb Blood Pressure, Toe and/or Limb brachial pressure Index (TBPI/ABPI), Skin Perfusion Pressure (SPP), Pulse Volume (PV), Post Occlusion Reactive Hyperaemia (PORH). The user friendly software enables you to customise and standardise your test or sequence of tests, helping your team to ensure tests performed follow a standard protocol for your facility/institution.

Q. Is the system easy to use?

A. The new software has been designed with a new user friendly interface and although flexibility is maintained the software is clear, straight forward and intuitive to use whist maintaining comprehensive clinical and research functionality.

Q. Can the trace be analysed and exported?

A. Yes. Report templates are available to simplify and automate the process. Data can also be easily exported for further processing in proprietary software packages. A patient database is included to organise and manage numerous monitoring sessions.

Q. Is the system easy move from ward to clinic to lab?

A. The system can be made fully portable by using the optional clinical cart. The cart comes equipped with an isolation transformer. Additionally the cart allows for housing of the moorVMS-VASC monitors, probes and accessories and a touchscreen PC (optional extra). This complete system enables easy portability from the ward to research facility to vascular lab and other areas where vascular testing is performed.

Q. Can I define my own set of tests in the order I want?

A. Yes, flexibility and ease of use has been at the forefront of development of the moorVMS-VASC system. There is option of defining, and saving, numerous test sequences to suit your needs. Simply load and select the specific test sequence as and when required.

Q. Do you have a range of cuff sizes available?

A. Yes, a range of cuff sizes is available from thigh, to arm, to toe. Please contact us for further details or a quotation

Q. Can I try the system before lease/ purchase?

A. Absolutely! Please contact your nearest sales team who will be delighted to make the arrangements.



About Moor Instruments

Moor Instruments, established in 1987, is a world leader in the design, manufacture and distribution of monitoring and imaging systems for micro-vascular assessments. We are proud now to include tissue oxygenation assessments within this portfolio.

Firsthand experience of laser Doppler research and development within Moor dates back to 1978 and with this we have the breadth of knowledge to help with your application and the enthusiasm to try and find answers to any of your questions.

By giving priority to performance, quality and service, we strive to ensure the highest levels of customer satisfaction.

Our dedicated design team is involved with a number of development projects for other partners and manufacturers. Whatever your needs, as a researcher, clinician or manufacturer, Moor will work harder for you.



moorVMS-VASC with moorVMS-PRES, optional touchscreen PC and moorVMS Clinical Cart.

moorVMS-LDF Specifications:

Quality Control
Moor Instruments is certified to ISO 13485:2016.
The moorVMS-LDF is CE marked as a medical device.

Measurement Parameters
Flux (tissue perfusion).
DC (mean intensity).
Temperature (tissue temperature).

Measurement Channels
moorVMS-LDF1 Single channel.
moorVMS-LDF2 Dual channel.

CLASS 1 LASER PRODUCT
IEC 60825-1:2014

Safety Standards
Complies with:
IEC 60601-1:2005+A1:2012, EN 60601-1-2:2015, IEC 60825-1:2014.
FDA performance standards for laser products except for deviations pursuant to Laser Notice No. 50; dated June 24, 2007.

moorVMS-PRES Specifications:

Quality Control
Moor Instruments is certified to ISO 13485:2016.
The moorVMS-PRES is CE marked as a medical device.

Measurement Parameters
Pressure.
Pulse Volume.

Measurement Channels
moorVMS-PRES Single channel.

Safety Standards
Complies with:
IEC 60601-1:2005+A1:2012, IEC 60601-1-2:2015.

moorVMS-VASC Software:

The moorVMS-VASC PC Software is the key component of the moorVMS-VASC package and can be operated on any modern PC, including laptops and medical grade touchscreen options available from Moor.

Intended Use

The moorVMS-VASC software is intended to provide non-invasive assessments of micro-vascular blood flow in response to standard and custom pressure cuff protocols, for suitably qualified clinicians, as an aid to diagnosis.

The clinical value of data from the moorVMS-VASC software has not been demonstrated for the diagnosis or detection of disease. The moorVMS-VASC software should not be used as the sole basis for diagnosis or therapy.

Configuration

moorVMS-VASC will automatically detect connected monitors and add to the monitoring profile. Parameters assessed include tissue blood flow, blood pressure and pulse volume.

Analysis and Reports

Automatic analysis of standard protocols. Clear display of graphical data. Export of graphs and data in a variety of formats (i.e Excel, PDF etc).

Data Management

Data can be saved and found again easily thanks to the in-built patient database and onward reporting or data export is easily managed.

Please contact us for a demo version to evaluate the features and benefits.

Moor Instruments reserves the right to change specifications without notice.

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