

# USB Modular Source Measure Unit USB-MSMU-3723



## Features & Specifications:

- 3 channel source measure unit, with embedded test scripts
- 4 Quadrant ( $\pm 20$  V,  $\pm 120$  mA)
- High current sensitivity of 100pA with 16 bit resolution
- 0.1% basic accuracy
- Low current measurement capability down to nA levels
- Voltage and Current programming / readback
- High-speed USB 2.0, USBTMC-USB488 standard (compatible with Microsoft® Windows® operating systems only.)
- Standalone and modular capabilities

## Description:

The USB-MSMU-3723 USB Modular Source Measure Unit is an expanded version of the standard USB-MSMU-3723 Modular Source Measure Unit. It includes embedded test scripts that will simplify automated testing with up to two test scripts per channel.

The 3-channel 20V/120mA module can operate in a 4-quadrant operation. The channels could be connected in series or in parallel to achieve up to 60 V/360 mA. It uses the common non-proprietary standard high-speed USB 2.0 interface that provides ease of connectivity — allowing users to set up and configure their tests swiftly with its plug and play feature.

For quick setup, the USB-MSMU-3723 comes bundled with the Keysight Measurement Manager (AMM) software, with user-friendly interface that allow users to configure their test scripts and view the IV curve results. Keysight Measurement Manager (AMM) Software

The USB-MSMU-3723 can function as a standalone module. It can also be used as a modular device, allowing expansion and compact solution when used with the other modules in the USB Modular Instruments and DAQ family.

Giving users flexibility, the USB-MSMU-3723 is compatible with a wide range of application development environments such as Keysight VEE, NI LabView and Microsoft® Visual Studio®.

Capturing and reviewing of configuration commands can be easily logged using the Command Logger bundled in the AMM software. The Code Converter helps ease programming for users by converting the Command logger files to snippets of VEE, VB, C++, and C# codes.

The optional Keysight USB-MSMU-3723 parametric test fixture is designed to complement the usage of USB-MSMU-3723 USB source measure unit in the testing of semiconductor components, including SMT and DIP ICs. See more information on Keysight USB-MSMU-3723 Parametric Test Fixture.

If you are looking for a basic yet complete IV curve tracer solution for component devices, the Keysight Parametric Measurement Manager Pro is up to the task. The software works with the USB-MSMU-3723 USB modular source measure unit to analyze discrete semiconductor without needing to write a single line of programming code. It's now available online for free. Download the FREE Parametric Measurement Manager Pro software today.

Analytical USB-MSMU-3723 USB SMU has been honored the winner of 20th annual Electronic Design, Strategy News (EDN) Innovation Awards under the category of DC and Low-Frequency Test. These awards honor outstanding engineering professionals and ground-breaking products, and winners are chosen by a jury of their peers.

Analytical USB-MSMU-3723 USB Modular Instruments has won Design News' Golden Mousetrap Award in the 2009 Best Products Category. The Design News' Awards Program has recognized engineering innovation and creativity in product design for more than two decades.

## Support & Services

### HPLC Servicing, Validation, Trainings and Preventive Maintenance :

HPLC Servicing	:We have team of service engineers who can attend to any make of HPLC promptly @ the most affordable cost.
Trainings	:We also take up preventive Maintenance to reduce downtime of HPLC's
AMC's/CMC	:We offer user training both in-House and at customer sites on HPLC principles, operations, troubleshooting.
Validations	:We have protocols for carrying out periodic Validations as per GLP/GMP/U SFDA norms
Instruments	:We offer instruments / Renting Services Modules like pumps, detector etc. on Rent.



## About Analytical Technologies

Analytical Technologies is synonymous for offering technologies for doing analysis and is the Fastest Growing Global Brand having presence in at least 96 countries across the globe. Analytical Technologies Limited is an ISO :9001 Certified Company engaged in Designing, Manufacturing, Marketing & providing Services for the Analytical, Chromatography, Spectroscopy, Bio Technology, Bio Medical, Clinical Diagnostics, Material Science & General Laboratory Instrumentation. Analytical Technologies, India has across the Country operations with at least 4 Regional Offices, 6 Branch Offices & Service Centers. Distributors & Channel partners worldwide.

## About Analytical Technologies



UV/VIS  
Spectro 2060+  
Double Beam



FTIR



Gas Chromatograph  
3000



Gas Chromatograph  
2979 Plus



Flash  
Chromatograph



Atomic Absorption  
Spectrophotometer



Liquid Partical  
Counter



Optical Emission  
Spectrophotometer



DSC/TGA



NOVA 2020 plus  
Automated Bio Chemistry  
Analyzer



HEMA 2020  
Hematology  
Analyzer



Micro Plate  
Reader/Washer



URINOVA 2800  
Urine Analyzer



Total Organic  
Carbon



Fully Automated  
CLIA



NOVA Basic Semi -Auto  
Chemistry Analyzer



PCR/Gradient PCR/  
RTPCR



Blood Gas  
Analyzer



Random access Analyzer  
for immunoassay  
Proteins & clinical chemistry



Semen Analyzer



Water purification  
system



## Regulatory compliances



## Corporate Social Responsibility

Analytical Foundation is a Nonprofit Organization (NGO) found for the purpose of:



**Analytical**  
**Foundation**

1. Research & Innovation Scientist's awards / QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at [info@analyticalfoundation.org](mailto:info@analyticalfoundation.org)

2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

## Reach us @



 **Analytical**®  
Technologies Limited

HPLC Solutions   MultipleLabs   Analytical Bio-Med   Analytical Distributors   Analytical Foundation (Trust)

**Corporate & Regd. Office:**  
Analytical House, # E67 & E68,  
Ravi Park, Vasna Road, Baroda,  
Gujarat 390 015. INDIA

T: +91 265 2253620  
+91 265 2252839  
+91 265 2252370  
F: +91 265 2254395

E: [info@hplctechnologies.com](mailto:info@hplctechnologies.com)  
[info@multiplelabs.com](mailto:info@multiplelabs.com)  
[info@analyticalgroup.net](mailto:info@analyticalgroup.net)  
[info@analyticalbiomed.com](mailto:info@analyticalbiomed.com)

W. [www.ais-india.com](http://www.ais-india.com)  
[www.analyticalgroup.net](http://www.analyticalgroup.net)  
[www.hplctechnologies.com](http://www.hplctechnologies.com)  
[www.multiplelabs.com](http://www.multiplelabs.com)

Sales & Support Offices:  
across the country :  
Distributors & Channel  
partners World Wide