

XMU Single/Dual Channel Series

High-Precision PXIe Source Measure Units for Rapid Semiconductor Characterization

At a Glance

The XMU Single/Dual Channel Series offers high-precision PXIe source measure units designed for advanced testing. Integrating up to six functions, they provide exceptional four-quadrant sourcing and measuring capabilities.

These modules deliver outstanding performance with a 1.8 MS/s sampling rate and ultra-high sensitivity down to 0.1 fA. They support broad ranges up to 200 V and 10 A pulsed current.

Featuring powerful performance and highly isolated signals, this series ensures accurate and efficient characterization. It is the ideal solution for semiconductor research, optoelectronic device testing, and power electronics evaluation.



XMU5250A High-Precision SMU

The XMU5250A is a high-precision Source Measure Unit (SMU) designed in a standard PXIe bus format, specifically engineered for the rigorous testing of semiconductors and advanced electronic products. This versatile instrument integrates six essential functions into a single 3U module: a four-quadrant voltage source, a current source, an ammeter, a voltmeter, a pulse signal source, and an electronic load.

By combining the XMU5250A with a PXI controller and a customized PC-based graphical user interface, engineers can achieve highly efficient and accurate measurements. Compatible with standard PXIe systems on Windows and Linux, it provides VISA-based DLL drivers for seamless custom automation.



Key Features

- **Precision 4-Quadrant SMU**
Seamless source & load operation
- **High-Speed Sampling**
Up to 1.8 MS/s for transient capture
- **Ultra-Fine Sensitivity**
Down to 10 fA current & 100 nV voltage
- **Broad Dynamic Range**
 ± 200 V output & up to 3 A pulsed current
- **Hybrid PXIe Compatibility**
Supports PXI/PXIe & Windows/Linux
- **Advanced Development**
VISA-based DLLs for custom automation

Application Scenarios

Semiconductor R&D

Wafer-level reliability, MOSFET characterization, and leakage testing.

Power Electronics

Efficiency evaluation of GaN/SiC wide-bandgap devices.

Optoelectronic Testing

LED/Laser diode IV curves and high-speed PD response analysis.

Nanotechnology

Characterization of carbon nanotubes and 2D materials.

XMU5250A Specifications

General Specifications				
Number of Channels		1		
Operating Temperature		0°C ~ +55°C		
Storage Temperature		-20°C ~ +70°C		
Dimensions		3U		
Bus Type		PXIe		
Voltage Programming and Measurement Accuracy and Resolution				
Range	Resolution	Noise (Typical, 0.1 Hz–10 Hz, P-P)	Accuracy (23 °C ±5 °C) ±(% of reading + offset)	Temperature Coefficient ±(% of reading + offset)/°C, 0 ~ 55°C
600 mV	100 nV	2 μV	0.02%+50 μV	0.0005%+1 μV
6 V	1 μV	6 μV	0.02%+320 μV	
20 V	10 μV	20 μV	0.022%+1 mV	
200 V	100 μV	200 μV	0.025%+10 mV	
Current Programming and Measurement Accuracy and Resolution				
Range	Resolution	Noise (Typical), (0.1 Hz–10 Hz, P-P)	Accuracy (23 °C ±5 °C) ±(% of reading + offset)	Temperature Coefficient ±(% of reading + offset)/°C, 0 ~ 55 °C
10 nA	10 fA	150 fA	0.05%+2 pA	0.0006%+400 fA
1 μA	100 fA	4 pA	0.03%+100 pA	0.0006%+4 pA
100 μA	10 pA	200 pA	0.03%+6 nA	0.0006%+200 pA
1 mA	100 pA	2 nA	0.03%+60 nA	0.0006%+2 nA
10 mA	1 nA	20 nA	0.03%+600 nA	0.0006%+20 nA
100 mA	10 nA	200 nA	0.03%+6 μA	0.0006%+200 nA
1 A	100 nA	2 μA	0.04%+60 μA	0.0006%+2 μA
3 A (pulse)	1 μA	20 μA	0.08%+900 μA	0.0006%+20 μA
Power Supply Requirements				
3U PXI Power Supply	+3.3V	+5V	+12V	-12V
	2.5A	0A	2A	0A

Product specifications are subject to change without notice. Please refer to the latest version of the product manual for the most current information.

Ordering Information

Ordering Model: XMU5250A High-Precision SMU

XMU5251 Ultra-High-Precision SMU

The XMU5251 is an ultra-high-precision Source Measure Unit (SMU) designed in a standard PXIe bus format, specifically engineered for the rigorous testing of semiconductors and electronic products. This versatile instrument integrates six essential functions into a single 3U module: a four-quadrant voltage source, a current source, an ammeter, a voltmeter, a pulse signal source, and an electronic load.

By combining the XMU5251 with a PXI controller and a customized PC-based graphical user interface, engineers can achieve highly efficient and accurate measurements. Compatible with standard PXIe systems on Windows and Linux, it provides VISA-based DLL drivers for seamless custom automation.



Key Features

- **Ultra-Precision 4-Quadrant SMU**

Seamless source & load operation across all four quadrants

- **High-Speed Sampling**

Up to 1.8 MS/s sampling rate for transient capture

- **Exceptional Current Sensitivity**

Down to 0.1 fA current & 100 nV voltage resolution

- **Broad Dynamic Range**

± 200 V output & up to 3 A pulsed current (± 1 A DC)

- **PXIe Compatibility**

Supports PXIe slot format & Windows/Linux

- **Advanced Development**

VISA-based DLLs for custom automation and secondary development

Application Scenarios

Semiconductor Testing

Ultra-low leakage current measurement, MOSFET characterization, and wafer-level reliability evaluation.

LED/LD Testing

Sub-fA level IV curve sweeping, threshold current analysis, and high-speed photodiode response measurement.

Aerospace Electronics

High-reliability component verification and precision electrical characterization under stringent conditions.

Power Electronics

Efficiency evaluation of GaN/SiC wide-bandgap devices and power supply design validation.

XMU5251 Specifications

General Specifications				
Number of Channels		1		
Operating Temperature		0°C ~ +55°C		
Storage Temperature		-20°C ~ +70°C		
Dimensions		3U		
Bus Type		PXIe		
Voltage Programming and Measurement Accuracy and Resolution				
Range	Resolution	Noise (Typical, 0.1 Hz–10 Hz, P-P)	Accuracy (23 °C ±5 °C) ±(% of reading + offset)	Temperature Coefficient ±(% of reading + offset)/°C, 0 ~ 55 °C
600 mV	100 nV	2 μV	0.02%+50 μV	0.0005%+1 μV
6 V	1 μV	6 μV	0.02%+320 μV	
20 V	10 μV	20 μV	0.022%+1 mV	
200 V	100 μV	200 μV	0.025%+10 mV	
Current Programming and Measurement Accuracy and Resolution				
Range	Resolution	Noise (Typical), (0.1 Hz–10 Hz, P-P)	Accuracy (23 °C ±5 °C) ±(% of reading + offset)	Temperature Coefficient ±(% of reading + offset)/°C, 0 ~ 55 °C
100 pA	0.1 fA	10 fA	0.3%+150 fA	0.0006%+150 fA
1 nA	1 fA	60 fA	0.1%+750 fA	0.0006%+150 fA
10 nA	10 fA	150 fA	0.05%+2 pA	0.0006%+400 fA
1 μA	100 fA	4 pA	0.03%+100 pA	0.0006%+4 pA
100 μA	10 pA	200 pA	0.03%+6 nA	0.0006%+200 pA
1 mA	100 pA	2 nA	0.03%+60 nA	0.0006%+2 nA
10 mA	1 nA	20 nA	0.03%+600 nA	0.0006%+20 nA
100 mA	10 nA	200 nA	0.03%+6 μA	0.0006%+200 nA
1 A	100 nA	2 μA	0.04%+60 μA	0.0006%+2 μA
3 A (pulse)	1 μA	20 μA	0.08%+900 μA	0.000%+20 μA
Power Supply Requirements				
3U PXI Power Supply		+3.3V	+5V	+12V
		2.5A	0A	-12V
			2A	0A

Product specifications are subject to change without notice. Please refer to the latest version of the product manual for the most current information.

Ordering Information

Ordering Model: XMU5251 Ultra-High-Precision SMU



XMU5252 Dual-Channel High-Precision SMU

The XMU5252 is a dual-channel high-precision Source Measure Unit (SMU) designed in a standard PXIe bus format, specifically engineered for testing semiconductors and electronic products. Each channel integrates five essential functions: a four-quadrant voltage source, a current source, an ammeter, a voltmeter, and an electronic load.

By combining the XMU5252 with a PXI controller and a customized PC-based graphical user interface, engineers can achieve accurate measurements across two independent channels simultaneously.



Key Features

- **Dual-Channel 4-Quadrant SMU**

Two fully independent channels for simultaneous source & measure

- **High-Speed Sampling**

Up to 1.8 MS/s sampling rate per channel for transient capture

- **Ultra-Fine Sensitivity**

Down to 1 fA current & 100 nV voltage resolution

- **Compact Dynamic Range**

± 60 V output with up to 100 mA DC current per channel

- **PXIe Compatibility**

Supports PXIe slot format & Windows/Linux

- **Advanced Development**

VISA-based DLLs for custom automation and secondary development

Application Scenarios

Semiconductor Testing

Dual-device characterization, leakage current measurement, and matched-pair component evaluation.

LED/LD Testing

Simultaneous IV curve sweeping and threshold current analysis across two optoelectronic devices.

Aerospace Electronics

High-reliability component verification and precision electrical characterization under stringent conditions.

Power Electronics

Efficiency evaluation of low-power devices and comparative testing of power supply designs.

XMU5252 Specifications

General Specifications				
Number of Channels		2		
Operating Temperature		0°C ~ +55°C		
Storage Temperature		-20°C ~ +70°C		
Dimensions		3U		
Bus Type		PXIe		
Voltage Programming and Measurement Accuracy and Resolution				
Range	Resolution	Noise (Typical), (0.1 Hz–10 Hz, P-P)	Accuracy (23 °C ±5 °C) ±(% of reading + offset)	Temperature Coefficient ±(% of reading + offset)/°C, 0 ~ 55°C
600 mV	100 nV	2 μV	0.02%+50 μV	0.0005%+1 μV
6 V	1 μV	6 μV	0.02%+320 μV	
20 V	10 μV	20 μV	0.022%+1 mV	
60 V	100 μV	200 μV	0.025%+10 mV	
Current Programming and Measurement Accuracy and Resolution				
Range	Resolution	Noise (Typical, 0.1 Hz–10 Hz, P-P)	Accuracy (23 °C ±5 °C) ±(% of reading + offset)	Temperature Coefficient ±(% of reading + offset)/°C, 0 ~ 55 °C
10 nA	1 fA	1 pA	0.06%+2 pA	0.0006%+400 fA
1 μA	100 fA	4 pA	0.03%+100 pA	0.0006%+4 pA
100 μA	10 pA	200 pA	0.03%+6 nA	0.0006%+200 pA
1 mA	100 pA	2 nA	0.03%+60 nA	0.0006%+2 nA
10 mA	1 nA	20 nA	0.03%+600 nA	0.0006%+20 nA
100 mA	10 nA	200 nA	0.03%+6 μA	0.0006%+200 nA
1 A (pulse)	100 nA	2 μA	0.04%+60 μA	0.0006%+2 μA
Power Supply Requirements				
3U PXI Power Supply	+3.3V	+5V	+12V	-12V
	2.5A	0A	2A	0A

Product specifications are subject to change without notice. Please refer to the latest version of the product manual for the most current information.

Ordering Information

Ordering Model: XMU5252 Dual-Channel High-Precision SMU

XMU5256 High-Precision SMU

The XMU5256 is a high-precision Source Measure Unit (SMU) designed in a standard PXIe bus format, specifically engineered for testing semiconductors and electronic products. This versatile instrument integrates five essential functions into a single 3U module: a four-quadrant voltage source, a current source, an ammeter, a voltmeter, and an electronic load.

By combining the XMU5256 with a PXI controller and a customized PC-based graphical user interface, engineers can achieve highly efficient and accurate measurements. Compatible with standard PXIe systems on Windows and Linux, it provides VISA-based DLL drivers for seamless custom automation.



Key Features

- **Precision 4-Quadrant SMU**
Seamless source & load operation across all four quadrants
- **High-Speed Sampling**
Up to 1.8 MS/s sampling rate for transient capture
- **High-Precision Sensitivity**
Down to 1 pA current & 1 μ V voltage resolution
- **Broad Voltage Range**
 ± 200 V output with ± 1 A DC current capability
- **PXIe Compatibility**
Supports PXIe slot format & Windows/Linux
- **Advanced Development**
VISA-based DLLs for custom automation and secondary development

Application Scenarios

Semiconductor Testing

Device characterization, leakage current measurement, and wafer-level reliability evaluation.

LED/LD Testing

IV curve sweeping, threshold current analysis, and forward voltage characterization.

Aerospace Electronics

High-reliability component verification and precision electrical characterization under stringent conditions.

Power Electronics

Efficiency evaluation of power devices and validation of power supply designs.

XMU5256 Specifications

General Specifications				
Number of Channels		1		
Operating Temperature		0°C ~ +50°C		
Storage Temperature		-20°C ~ +70°C		
Dimensions		3U		
Bus Type		PXIe		
Voltage Programming and Measurement Accuracy and Resolution				
Range	Resolution	Noise (Typical), (0.1 Hz–10 Hz, P-P)	Accuracy (23 °C ±5 °C) ±(% of reading + offset)	Temperature Coefficient ±(% of reading + offset)/°C, 0 ~ 55°C
600 mV	1 μV	4 μV	0.02%+100 μV	0.0005%+1 μV
6 V	10 μV	12 μV	0.02%+640 μV	
20 V	100 μV	40 μV	0.022%+2 mV	
200 V	1 mV	400 μV	0.025%+20 mV	
Current Programming and Measurement Accuracy and Resolution				
Range	Resolution	Noise (Typical), (0.1 Hz–10 Hz, P-P)	Accuracy (23 °C ±5 °C) ±(% of reading + offset)	Temperature Coefficient ±(% of reading + offset)/°C, 0 ~ 55 °C
1 μA	1 pA	8 pA	0.03%+200 pA	0.0006%+4 pA
10 μA	10 pA	60 pA	0.03%+1.4 nA	0.0006%+22 pA
100 μA	100 pA	400 pA	0.03%+12 nA	0.0006%+200 pA
1 mA	1 nA	4 nA	0.03%+120 nA	0.0006%+2 nA
10 mA	10 nA	40 nA	0.03%+1.2 μA	0.0006%+20 nA
100 mA	100 nA	400 nA	0.03%+12 μA	0.0006%+200 nA
1 A	1 μA	4 μA	0.04%+120 μA	0.0006%+2 μA
Power Supply Requirements				
3U PXI Power Supply		+3.3V	+5V	+12V
		2.5A	0A	2.7A
				-12V
				0A

Product specifications are subject to change without notice. Please refer to the latest version of the product manual for the most current information.

Ordering Information

Ordering Model: XMU5256 High-Precision SMU

XMU5257 High-Precision SMU

The XMU5257 is a high-precision Source Measure Unit (SMU) designed in a standard PXIe bus format, specifically engineered for testing semiconductors and electronic products. This versatile instrument integrates six essential functions into a single 3U module: a four-quadrant voltage source, a current source, an ammeter, a voltmeter, a pulse signal source, and an electronic load.

By combining the XMU5257 with a PXI controller and a customized PC-based graphical user interface, engineers can achieve highly efficient and accurate measurements. Compatible with standard PXIe systems on Windows and Linux, it provides VISA-based DLL drivers for seamless custom automation.



Key Features

- **Precision 4-Quadrant SMU**
Seamless source & load operation across all four quadrants
- **High-Speed Sampling**
Up to 1.8 MS/s sampling rate for transient capture
- **High-Precision Sensitivity**
Down to 100 fA current & 100 nV voltage resolution
- **Broad Dynamic Range**
 ± 200 V output & up to 3 A pulsed current (± 1 A DC)
- **PXIe Compatibility**
Supports PXIe slot format & Windows/Linux
- **Advanced Development**
VISA-based DLLs for custom automation and secondary development

Application Scenarios

Semiconductor Testing

Device characterization, leakage current measurement, and wafer-level reliability evaluation.

LED/LD Testing

IV curve sweeping, threshold current analysis, and high-speed photodetector response measurement.

Aerospace Electronics

High-reliability component verification and precision electrical characterization under stringent conditions.

Power Electronics

Efficiency evaluation of GaN/SiC wide-bandgap devices and power supply design validation.

XMU5257 Specifications

General Specifications				
Number of Channels		1		
Operating Temperature		0°C ~ +55°C		
Storage Temperature		-20°C ~ +70°C		
Dimensions		3U		
Bus Type		PXIe		
Voltage Programming and Measurement Accuracy and Resolution				
Range	Resolution	Noise (Typical, 0.1 Hz–10 Hz, P-P)	Accuracy (23 °C ±5 °C) ±(% of reading + offset)	Temperature Coefficient ±(% of reading + offset)/°C, 0 ~ 55°C
600 mV	100 nV	2 μV	0.02%+50 μV	0.0005%+1 μV
6 V	1 μV	6 μV	0.02%+320 μV	
20 V	10 μV	20 μV	0.022%+1 mV	
200 V	100 μV	200 μV	0.025%+10 mV	
Current Programming and Measurement Accuracy and Resolution				
Range	Resolution	Noise (Typical), (0.1 Hz–10 Hz, P-P)	Accuracy (23 °C ±5 °C) ±(% of reading + offset)	Temperature Coefficient ±(% of reading + offset)/°C, 0–50 °C
1 μA	100 fA	4 pA	0.03%+100 pA	0.0006%+4 pA
10 μA	1 pA	30 pA	0.03%+700 pA	0.0006%+22 pA
100 μA	10 pA	200 pA	0.03%+6 nA	0.0006%+200 pA
1 mA	100 pA	2 nA	0.03%+60 nA	0.0006%+2 nA
10 mA	1 nA	20 nA	0.03%+600 nA	0.0006%+20 nA
100 mA	10 nA	200 nA	0.03%+6 μA	0.0006%+200 nA
1 A	100 nA	2 μA	0.04%+60 μA	0.0006%+2 μA
3 A (pulse)	1 μA	20 μA	0.08%+900 μA	0.0018%+20 μA
Power Supply Requirements				
3U PXI Power Supply	+3.3V	+5V	+12V	-12V
	3A	0A	6A	0A

Product specifications are subject to change without notice. Please refer to the latest version of the product manual for the most current information.

Ordering Information

Ordering Model: XMU5257 High-Precision SMU

XMU5258 High-Precision SMU

The XMU5258 is a high-precision Source Measure Unit (SMU) designed in a standard PXIe bus format, specifically engineered for testing semiconductors and electronic products. This versatile instrument integrates five essential functions into a single 3U module: a four-quadrant voltage source, a current source, an ammeter, a voltmeter, and an electronic load.

By combining the XMU5258 with a PXI controller and a customized PC-based graphical user interface, engineers can achieve highly efficient and accurate measurements. Compatible with standard PXIe systems on Windows and Linux, it provides VISA-based DLL drivers for seamless custom automation.



Key Features

- **Precision 4-Quadrant SMU**
Seamless source & load operation across all four quadrants
- **High-Speed Sampling**
Up to 1.8 MS/s sampling rate for transient capture
- **High-Precision Sensitivity**
Down to 1 pA current & 1 μ V voltage resolution
- **High-Current DC Output**
Up to ± 3 A continuous DC current within a ± 60 V range
- **PXIe Compatibility**
Supports PXIe slot format & Windows/Linux
- **Advanced Development**
VISA-based DLLs for custom automation and secondary development

Application Scenarios

Semiconductor Testing

High-current device characterization, on-resistance measurement, and reliability evaluation of power transistors.

LED/LD Testing

High-drive-current IV curve sweeping, forward voltage characterization, and luminous efficiency analysis.

Aerospace Electronics

Precision electrical characterization of high-current components under stringent environmental conditions.

Power Electronics

Continuous DC load testing and efficiency evaluation of low-voltage, high-current power devices.

XMU5258 Specifications

General Specifications				
Number of Channels		1		
Operating Temperature		0°C ~ +55°C		
Storage Temperature		-20°C ~ +70°C		
Dimensions		3U		
Bus Type		PXIe		
Voltage Programming and Measurement Accuracy and Resolution				
Range	Resolution	Noise (Typical), (0.1 Hz–10 Hz, P-P)	Accuracy (23 °C ±5 °C) ±(% of reading + offset)	Temperature Coefficient ±(% of reading + offset)/°C, 0 ~ 55°C
600 mV	1 μV	4 μV	0.02%+100 μV	0.0005%+1 μV
6 V	10 μV	12 μV	0.02%+600 μV	
20 V	10 μV	20 μV	0.022%+1 mV	
60 V	100 μV	120 μV	0.02%+6 mV	
Current Programming and Measurement Accuracy and Resolution				
Range	Resolution	Noise (Typical), (0.1 Hz–10 Hz, P-P)	Accuracy (23 °C ±5 °C) ±(% of reading + offset)	Temperature Coefficient ±(% of reading + offset)/°C, 0 ~ 55 °C
1 μA	1 pA	8 pA	0.03%+200 pA	0.0006%+4 pA
10 μA	10 pA	60 pA	0.03%+1.4 nA	0.0006%+22 pA
100 μA	100 pA	400 pA	0.03%+12 nA	0.0006%+200 pA
1 mA	1 nA	4 nA	0.03%+120 nA	0.0006%+2 nA
10 mA	10 nA	40 nA	0.03%+1.2 μA	0.0006%+20 nA
100 mA	100 nA	400 nA	0.03%+12 μA	0.0006%+200 nA
1 A	1 μA	4 μA	0.03%+120 μA	0.0006%+2 μA
3 A	10 μA	40 μA	0.083%+1.8 mA	0.002%+20 μA
Power Supply Requirements				
3U PXI Power Supply	+3.3V	+5V	+12V	-12V
	2.5A	0A	2.2A	0A

Product specifications are subject to change without notice. Please refer to the latest version of the product manual for the most current information.

Ordering Information

Ordering Model: XMU5258 High-Precision SMU

XMU5259 High-Precision SMU

The XMU5259 is a high-precision Source Measure Unit (SMU) designed in a standard PXIe bus format, specifically engineered for testing semiconductors and electronic products. This versatile instrument integrates six essential functions into a single 3U module: a four-quadrant voltage source, a current source, an ammeter, a voltmeter, a pulse signal source, and an electronic load.

By combining the XMU5259 with a PXI controller and a customized PC-based graphical user interface, engineers can achieve highly efficient and accurate measurements. Compatible with standard PXIe systems on Windows and Linux, it provides VISA-based DLL drivers for seamless custom automation.



Key Features

- **Precision 4-Quadrant SMU**
Seamless source & load operation across all four quadrants
- **High-Speed Sampling**
Up to 1.8 MS/s sampling rate for transient capture
- **High-Precision Sensitivity**
Down to 100 fA current & 100 nV voltage resolution
- **High-Current Pulse Output**
Up to ± 10 A pulsed current with ± 3 A DC within ± 60 V range
- **PXIe Compatibility**
Supports PXIe slot format & Windows/Linux
- **Advanced Development**
VISA-based DLLs for custom automation and secondary development

Application Scenarios

Semiconductor Testing

High-current pulse characterization, breakdown voltage testing, and reliability evaluation of power devices.

LED/LD Testing

High-peak-current pulse driving for laser diode L-I-V characterization and transient response analysis.

Aerospace Electronics

Pulsed stress testing and precision electrical characterization of high-current components under stringent conditions.

Power Electronics

Switching behavior analysis and efficiency evaluation of GaN/SiC devices under high pulsed current conditions.

XMU5259 Specifications

General Specifications				
Number of Channels		1		
Operating Temperature		0°C ~ +55°C		
Storage Temperature		-20°C ~ +70°C		
Dimensions		3U		
Bus Type		PXIe		
Voltage Programming and Measurement Accuracy and Resolution				
Range	Resolution	Noise (Typical), (0.1 Hz–10 Hz, P-P)	Accuracy (23 °C ±5 °C) ±(% of reading + offset)	Temperature Coefficient ±(% of reading + offset)/°C, 0 ~ 55°C
600 mV	100 nV	2 μV	0.02%+50 μV	0.0005%+1 μV
6 V	1 μV	6 μV	0.02%+300 μV	
20 V	10 μV	20 μV	0.022%+1 mV	
60 V	10 μV	60 μV	0.02%+3 mV	
Current Programming and Measurement Accuracy and Resolution				
Range	Resolution	Noise (Typical), (0.1 Hz–10 Hz, P-P)	Accuracy (23 °C ±5 °C) ±(% of reading + offset)	Temperature Coefficient ±(% of reading + offset)/°C, 0 ~ 55 °C
1 μA	100 fA	4 pA	0.03%+100 pA	0.0006%+4 pA
10 μA	1 pA	30 pA	0.03%+700 pA	0.0006%+22 pA
100 μA	10 pA	200 pA	0.03%+6 nA	0.0006%+200 pA
1 mA	100 pA	2 nA	0.03%+60 nA	0.0006%+2 nA
10 mA	1 nA	20 nA	0.03%+600 nA	0.0006%+20 nA
100 mA	10 nA	200 nA	0.03%+6 μA	0.0006%+200 nA
1 A	100 nA	2 μA	0.03%+60 μA	0.0006%+2 μA
3 A / 10 A (pulse)	1 μA	20 μA	0.083%+900 μA	0.002%+20 μA
Power Supply Requirements				
3U PXI Power Supply		+3.3V	+5V	+12V
		2.5A	0A	2.2A
				0A

Product specifications are subject to change without notice. Please refer to the latest version of the product manual for the most current information.

Ordering Information

Ordering Model: XMU5259 High-Precision SMU



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Specifications subject to change without notice. Per AS/NZS standards.