

I V Source/ Measurement Unit Delta- Femto



The Source & Measure Unit (SMU) is an instrument that can precisely source voltage or current and simultaneously measure voltage and/or current. All into a single, tightly synchronized instrument in a compact form factor.

- 6.5 Digit Liquid Crystal Display with backlight
- Channel Isolation Resistance $> 10^8$
- Time Domain View to capture transient
- Furnished with TriAxial cable (1.5 m)

Delta- Femto is not only offers best-in-class measurement performance, but also provide unprecedented features to maximize your measurement confidence.

The Delta- Femto provides minimum current resolution, which meets virtually all existing and future low-level current measurement needs.

The unit also have battery powered versions (as option) to eliminate AC power line noise. This available capability provides an unmatched level of noise reduction, enabling low-level measurements that were previously impossible.



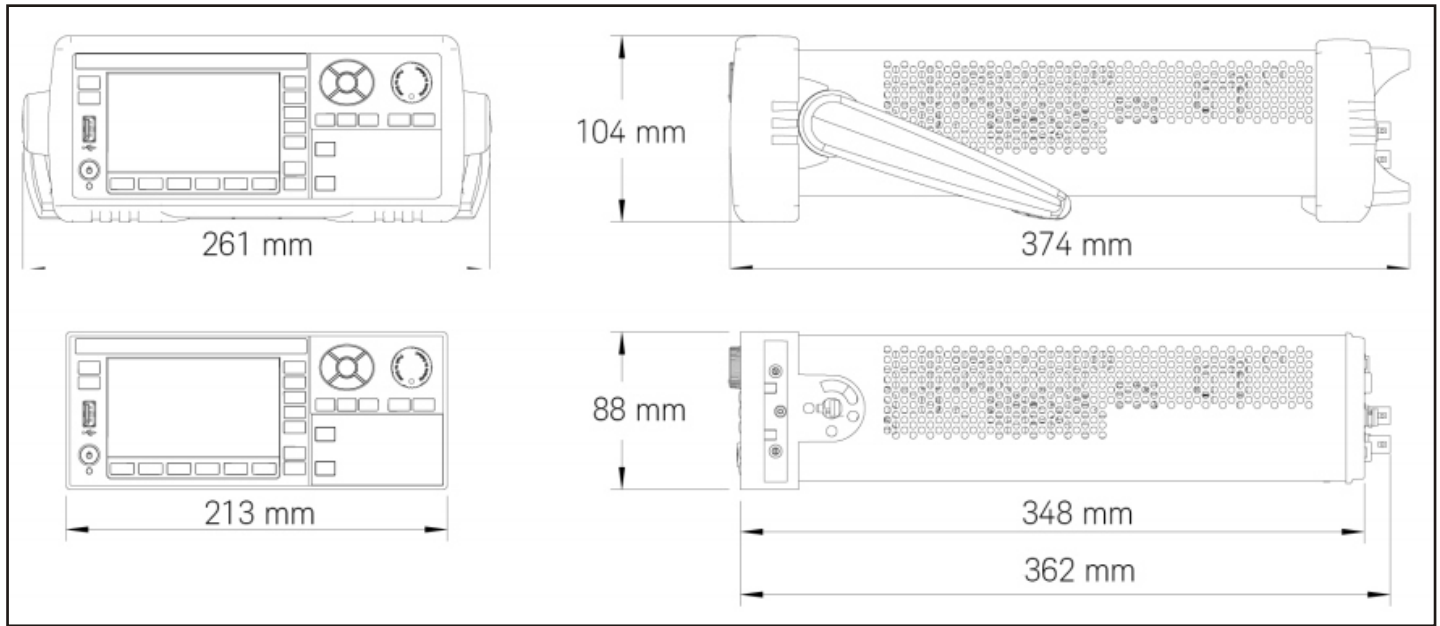
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Technical Specifications

Function	Range / Values
Display	6.5 Digit LCD Display with backlight
Measurement Range	
Current Range	1pA to 100mA
Current Resolution	10×10^{-17} A @ 1picoAmpere (1pA)
Voltage Range	500mV to 100Volt
Voltage Resolution	5 μ V @ 500mV
Source Range	
Current Range	1pA to 100mA
Current Resolution	10×10^{-16} A @ 1picoAmpere (1pA)
Voltage Range	500mV to 100Volt
Voltage Resolution	25 μ V @ 500mV
Over range	150% of Range (Both Source & Measure)
Common mode	± 42 VDC maximum
Common mode	$>10^8$ Ohm
Max. Voltage drop between input/output and sense terminals	2 V
Noise Rejection Filter	Yes (Fast/Normal)
Communication Port	GPIOB & Rs232
Operating temperature	0 °C to 50 °C
Storage temperature	-20 °C to 60 °C
Humidity	90% RH
Safety	Meets the requirements of IEC61010-1/EN61010-1, CAN/CSA-C22.2 No. 61010-1-12, C/US
EMC	As per IEC61326-1
Weight	7 kg
Dimensions	104 mm high \times 261mm wide \times 362 mm deep
Power	90 - 264 V rms AC Voltage, 50/60Hz

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Ordering Information

Code	Description
Delta- Femto	I V Source/ Measurement Unit Included accessories TriAxial Cable, Quick Reference RS-232 & GBIB cable, Installation Guide IP67 Hard Case , Certificate of Calibration, Heavy Duty Alligator Clip Leads
Delta- Femto- B	I V Source/ Measurement Unit Included accessories TriAxial Cable, Quick Reference RS-232 & GBIB cable, Installation Guide IP67 Hard Case , Certificate of Calibration, Heavy Duty Alligator Clip Leads, Rechargeable Battery

Ordering Information - Optional Accessories

Code	Description
TL270HC3	3 mtrs. Test Lead Set with Insulated Alligator clip
TL270HC10	10 mtrs. Test Lead Set with Insulated Alligator clip
TL270HC15	15 mtrs. Test Lead Set with Insulated Alligator clip
AL270HC	Alligator Clip - High Current
ATA75	Alligator To Alligator Test Lead Set
BTA75	Banana To Alligator Test Lead Set
ATS75	Alligator Clip to Spade Lug
*Note	Other Accessories on Request