

Precision Current Source Unit Delta- Pico



The Precision Current Source Unit Delta - Pico is an instrument that can precisely source & sink current.

- 6.5 Digit Liquid Crystal Display with backlight
- Output Impedance : $10^{14} \Omega$
- Furnished with TriAxial cable (1.5 m)

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

The Delta- Pico 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.



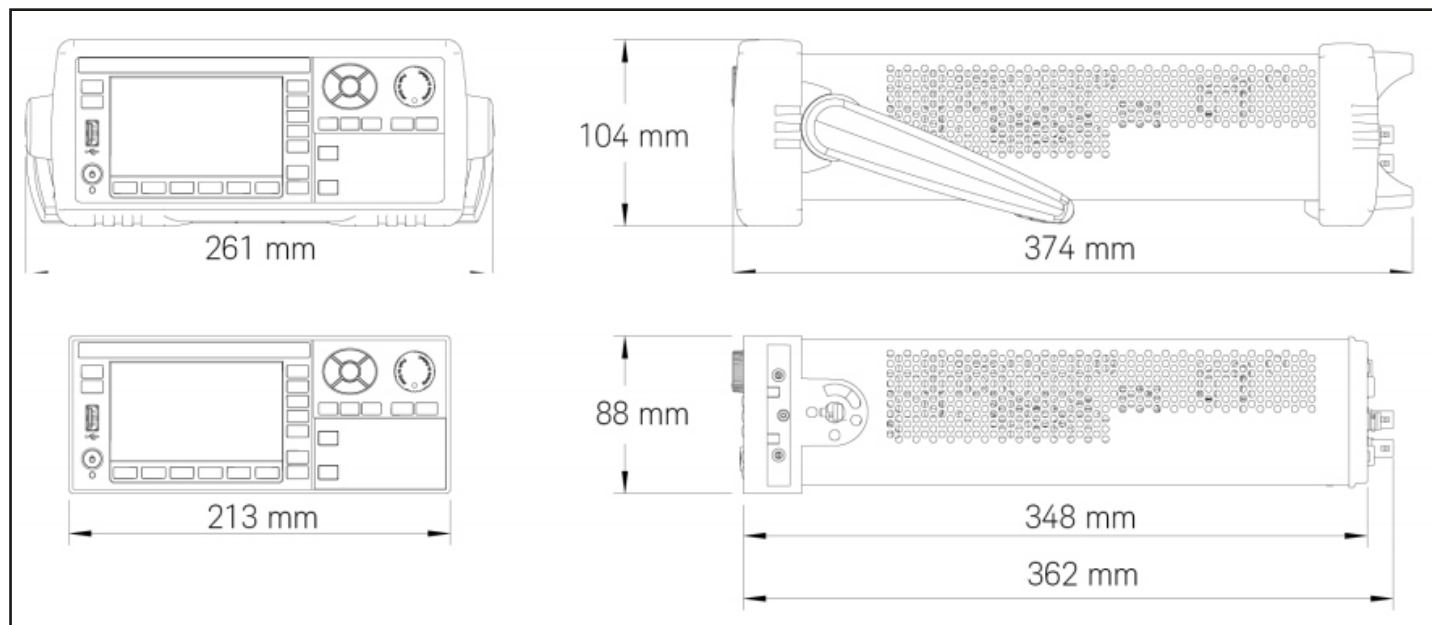
Precision Current Source Unit Delta- Pico



Technical Specifications

Function	Range / Values			
Display	6.5 Digit LCD Display with backlight			
Current Source Range / Resolution	Range	2 nA	20 nA	200 nA
	Resolution	100 fA	1 pA	20 pA
	Accuracy	0.4 % + 2 pA	0.3 % + 10 pA	0.3 % + 100 pA
	Range	2 μ A	20 μ A	200 μ A
	Resolution	100 pA	1 nA	10 nA
	Accuracy	0.1 % + 1 nA	0.05% + 10 nA	0.05% + 100 nA
	Range	2 mA	20 mA	200 mA
	Resolution	0.05% + 1 μ A	0.05% + 10 μ A	0.1 % + 50 μ A
	Accuracy	100nA	1 μ A	10 μ A
Output Impedance	$10^4 \Omega$			
Output Capacitance	<10 pF, <100 pF Filter ON			
Load Impedance	100 μ H			
Voltage Limit	Bipolar voltage limit set with single value. 0.1V to 105V in 0.01V programmable steps			
Maximum Output Power	12W, four quadrant source or sink operation			
Guard Output Accuracy	± 1 mV for output currents <2mA			
Max. Trigger Rate	1000/s			
RMS Noise 10Hz - 20MHz	Less than 1mVrms, 5mVp-p (into 50 Ω load)			
Common Mode Voltage	250Vrms, DC			
Common mode isolation	> 10^9 Ohm			
Communication Port	GPIB & Rs232			
Operating temperature	0 °C to 50 °C			
Storage temperature	-20 °C to 60 °C			
Humidity	90% RH			
EMC & Safety	As per EN61326-1 & En61010			
Weight	5 kg			
Dimensions	104 mm high \times 261mm wide \times 362 mm deep			
Power	90 - 264 V rms AC Voltage, 50/60Hz			
Warranty	1 Year			

Precision Current Source Unit Delta- Pico



Ordering Information

Code	Description
Delta- Pico	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- Pico- B	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