

2-CH OUTPUT WITH 5V FIXED PROGRAMMABLE DC POWER SUPPLY

NAGMAN 318

SALIENT FEATURES

Two Independent Controllable Channels
 Max Output Resolution : 1mV / 1mA
 Low ripples / low noise : <300 μ Vrms / 2 mVpp
 Up to 100 group timers
 Up to 10 group preset system configurations
 Over-voltage / Over-current protection
 Auto-cooling system
 3.9-inch-high resolution (480 \times 320 pixels) LCD
 Multiple communication interface : USB, and RS232
 SCPI, and LabVIEW supported



Typical Photo: Final Product look may vary

SPECIFICATIONS

Display Type		3.9-inch colored LCD	
Display Resolution		480 \times 320 pixels	
Display Color		65536 colors	
Channel		2 (independent)	Fixed 5V
DC Output Rating	Voltage	0- 30V (Independent / Parallel) 0 - 60V (Series) -30V - 30V (Plus-minus)	5V
	Current	0 - 3A (Independent / Series / Plus-minus), 0 - 6A (Parallel)	3A
Line Regulation	CV	$\leq 0.01\% + 3\text{mV}$	$\leq 3\text{mV}$
	CC	$\leq 0.1\% + 3\text{mA}$	/
Load Regulation	CV	$\leq 0.01\% + 3\text{mV}$	$\leq 0.1\% + 3\text{mV}$
	CC	$\leq 0.2\% + 3\text{mA}$	/
Noise and Ripple (20Hz \sim 7MHz)	CV	$\leq 300\mu\text{Vrms}/2\text{mVpp}$	
	CC	$\leq 3\text{mA}_{\text{rms}}$	/
Settings Resolution	Voltage	1mV	/
	Current	1mA	/
Settings Accuracy (25°C \pm 5°C)	Voltage	$\leq 0.05\% + 3\text{mV}$	/
	Current	$\leq 0.1\% + 3\text{mA}$	/
Read Back Resolution	Voltage	1mV (<10V), 10mV ($\geq 10\text{V}$)	/
	Current	1mA	/
Read Back Accuracy (25°C \pm 5°C)	Voltage	$\leq 0.05\% + 3$ digit	/
	Current	$\leq 0.1\% + 3$ digit	/
Communication Interface		USB Host, USB Device and RS232	
Dimension (W \times H \times D)		250 \times 158 \times 358 (mm)	
Device Weight		10.50 kg	

STANDARD INCLUSIONS

- Basic Instrument
- Fuse
- Power Cord
- USB
- CR Rom
- Conformance Certificate
- Instruction Manual

OPTIONAL

- Calibration Certificates are issued in Accordance with our Scope as granted by NABL per ISO/IEC 17025:2017 Standards

Manufactured by



Since 1972

NAGMAN INSTRUMENTS AND ELECTRONICS PRIVATE LIMITED

AN ISO 9001:2015 CERTIFIED COMPANY

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Specifications subject to change owing to continuous development. Contact us for latest Datasheet.

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