

## 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  $\mu$ 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 x 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 x 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~7MHz)	CV	$\leq 300\mu\text{Vrms}/2\text{mVpp}$	
	CC	$\leq 3\text{mArms}$	/
Settings Resolution	Voltage	1mV	/
	Current	1mA	/
Settings Accuracy (25°C ± 5°C)	Voltage	$\leq 0.05\% + 3\text{mV}$	/
	Current	$\leq 0.1\% + 3\text{mA}$	/
Read Back Resolution	Voltage	1mV (<10V), 10mV (≥10V)	/
	Current	1mA	/
Read Back Accuracy (25°C ± 5°C)	Voltage	$\leq 0.05\% + 3\text{ digit}$	/
	Current	$\leq 0.1\% + 3\text{ digit}$	/
Communication Interface	USB Host, USB Device and RS232		
Dimension (WxHxD)	250 x 158 x 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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