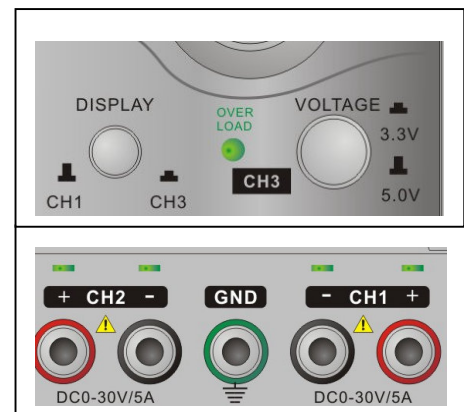


## Multi-Channels Regulated DC Power



### FEATURES:

- 2 Adjustable Channels Output (PSM 2 Series)
- 3 Adjustable Channels Output (PSM 3 Series)
- 4 Adjustable Channels Output (PSM 4 Series)
- 0 ~ 30V Linear Voltage Adjustment (CH1 and CH2)
- Channel 3 Output Voltage Selectable 5.5V/3.3V for TTL/CMOS Circuit (PSM 3 Series)
- 4 Sets of LED for Voltage and Current Output Display To Indicate Output Connection
- Low Noise and Ripple; Less than 1mV (5Hz ~ 1MHz)
- Voltage and Current Pre-set Feature
- CV/CC Mode Automatic Change
- Overload Indication and Warning Beeper(User can disable)
- Intelligent Ventilation Fan Control
- Auto Tracking Output
- Auto Parallel or Series connection
- Doubling Current with Series Connection, doubling Voltage with Parallel Connection
- 16 Hours Continuous Operation with Full Loading
- 110V/220V AC Power Input Switchable
- Rugged Metal Cabinet



**GERNERAL SPECIFICATION:**

Model	Number of Channels	CHANNEL OUTPUT							
		CH 1		CH 2		CH 3		CH 4	
		Voltage	Current	Voltage	Current	Voltage	Current	Voltage	Current
PSM 2/2B	2		2A		2A	N/A			
PSM 2/3B	2	0 ~ 30V	3A	0 ~ 30V	3A				
PSM 2/5B	2		5A		5A				
PSM 3/2B	3		2A		2A	5V/3.3V Switchable	1 A	N/A	
PSM 3/3B	3	0 ~ 30V	3A	0 ~ 30V	3A				
PSM 3/5B	3		5A		5A				
PSM 4/2B	4		2A		2A	2.2 ~ 5.2V	1 A	8 ~ 15V	1 A
PSM 4/3B	4	0 ~ 30V	3A	0 ~ 30V	3A				
PSM 4/5B	4		5A		5A				

**OPERATION CONDITION:**

Environmental Condition	Operating altitude <2000m, pollution degree II
Input Voltage	110V <sub>AC</sub> /220V <sub>AC</sub> ± 10% at 50Hz
Operating Condition	Temperature 0~40℃
	Relative Humidity ≅ 80%RH
Storage Condition	Temperature -10℃ ~70℃
	Relative Humidity ≅ 80%RH

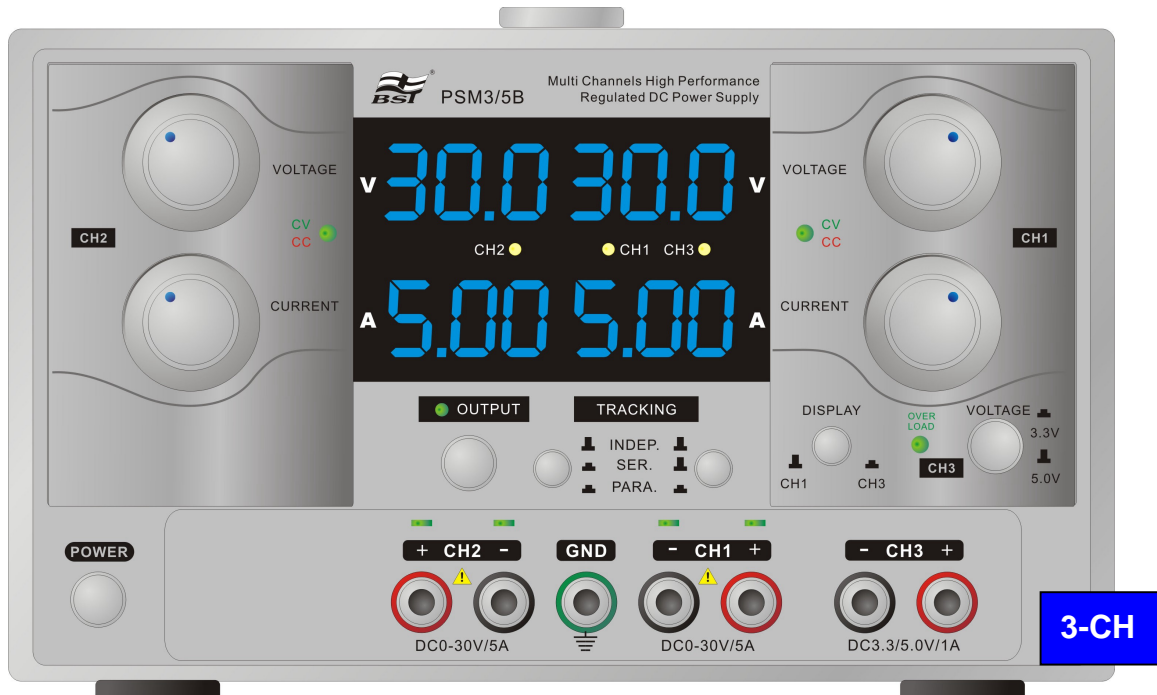
**TECHNICAL SPECIFICATION:**

<b>Constant Voltage Mode (CV)</b>	
Line Effect	$1 \times 10^{-4} + 3\text{mV}$ ( $\pm 10\%$ of Rated Voltage)
Loading Effect	$1 \times 10^{-4} + 3\text{mV}$ (Output current $\leq 3\text{A}$ ) $2 \times 10^{-4} + 3\text{mV}$ (Output current $\geq 3\text{A}$ )
Noise and Ripple	$1\text{m V}_{\text{rms}}$ (5Hz – 1 MHz)
Recovery Time	$\leq 100\mu\text{sec}$ (50% of loading effect with min. loading of 0.5A)
Temperature Coefficient	$\leq 300\text{ppm}/^\circ\text{C}$
<b>Constant Current Mode (CC)</b>	
Current Range	0 to maximum rated current
Line Effect	$2 \times 10^{-3} + 3\text{mA}$
Loading Effect	$2 \times 10^{-3} + 3\text{mA}$
Noise and Ripple	$3\text{m V}_{\text{rms}}$
<b>Tracking Characteristic (in Series)</b>	
Line Effect	$\leq 1 \times 10^{-4} + 3\text{mV}$
Loading Effect	$1 \times 10^{-4} + 3\text{mV}$ (Output current $\leq 3\text{A}$ ) $2 \times 10^{-4} + 3\text{mV}$ (Output current $\geq 3\text{A}$ )
<b>Tracking Characteristic (in Parallel)</b>	
Line Effect	$\leq 1 \times 10^{-4} + 5\text{mV}$
Loading Effect	$\leq 300\text{mV}$
<b>Mechanical Specification (PSM4 Series)</b>	
Weight	Approx. 7.5 kg
Dimension	255x155x305 mm

New Version PSM  
Preliminary Data

# British Standard Tester

PSM-B ver2.0/DEC.08



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