




BS series

Specifications

Model	BS3	BS6	BS1	
Appearance				
WXHxD(mm)	96.0×48×102.0	72.0×36.0×100.0	48.0×24.0×100.0	
Input	Input signal			Input voltage, current, instrument signal input (4 - 20 mA d.c. or 1 - 5 V d.c.)
	A/D converter			Double integration method
	Sampling cycle			300 ms
	Response speed			Approx. 2 sec (max. range)
	External control			Present value hold function by contact input
	Max. display digits			± 1999
	Display			7 segment LED
Performance	Measurement and indication method			Effective value indicating method by full-wave rectification
	Accuracy			AC : ±0.5 % of FS ±1 Digit, DC : ±0.2 % of FS ±1 Digit
	Insulation resistance			Min. 100 MΩ (500 V d.c.)
Dielectric strength		1500 V a.c. for 1 min (between external terminal and case)	2000 V a.c. for 1 min (between external terminal and case)	
Power voltage		110 V / 220 V a.c. 50/60 Hz common	100-240 V a.c. 50/60 Hz common	
Voltage fluctuation rate		±10 % of power voltage	-15 ~ 10 % of power voltage	
Power consumption		Max. 2 VA	Max. 4 VA	
Ambient temperature & humidity		0 ~ 50 °C, 35 ~ 85 % RH (without condensation)	-10 ~ 55 °C, 35 ~ 85 % RH (without condensation)	
Storage temperature		-10 ~ 70 °C	-20 ~ 65 °C	
Vibration resistance		10 - 55 Hz single amplitude X·Y·Z each direction 2 hours		
Shock resistance		300 m/s, X·Y·Z 6 directions each 3 times		
Weight (g)		350	150	

- New product Multi-pulse meter
- Small LCD Pulse meter
- Multi Pulse meter
- New product Multi Panel meter
- Digital Multi Panel meter
- Digital Wattmeter
- Digital Voltage/ Ammeter
- Digital Frequency meter
- Digital Scale meter
- Digital Small type DC indicator

Suffix code ※ Model name : BS6 and BS3 have different range codes

Model	Code	Content
BS	<input type="checkbox"/> - <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	Digital Voltmeter / Ammeter
Appearance	6	72 X 36 mm
	3	96 X 48 mm
	1	48 X 24 mm
Output	N	Display only
Input	A 10	AC voltmeter (AC)
	A 20	AC ammeter (AC)
	D 10	DC voltmeter (DC)
	D 20	DC ammeter (DC)
	D 21	DC voltmeter
Measuring range	1	Measuring range model example: BS3-NA101 (1.999 V)

● DC current (BS1)

Model	Measuring range	Resolution	Input impedance	Max. allowable input current
BS1-ND201	199.9 μA	0.1 μA	1 kΩ	50 mA
BS1-ND202	1.999 mA	1 μA	100 Ω	150 mA
BS1-ND203	19.99 mA	10 μA	10 Ω	300 mA
BS1-ND204	199.9 mA	100 μA	1 Ω	3 A
BS1-ND205	1.999 A	1 mA	0.1 Ω	3 A
BS1-ND206	5.00 A	10 mA	0.01 Ω	5 A
BS1-ND207	19.99 A	10 mA	Shunt use (secondary voltage 50mV)	
BS1-ND208	199.9 A	100 mA		
BS1-ND209	1999 A	1 A		

● DC current (BS3)

Model	Measuring range	Resolution	Input impedance	Max. allowable input current
BS3-ND201	1.999 mA	1 μA	100 Ω	50 mA
BS3-ND202	19.99 mA	10 μA	10 Ω	150 mA
BS3-ND203	199.9 mA	100 μA	1 Ω	300 mA
BS3-ND204	1.999 A	1 mA	0.1 Ω	3 A
BS3-ND205	5.00 A	10 mA	0.01 Ω	5 A
BS3-ND206	19.99 A	10 mA	Shunt use (secondary voltage 50mV)	
BS3-ND207	199.9 A	100 mA		
BS3-ND208	1999 A	1 A		

● DC current (BS6)

Model	Measuring range	Resolution	Input impedance	Max. allowable input current
BS6-ND201	199.9 μA	0.1 μA	100 Ω	1 mA
BS6-ND202	1.999 mA	1 μA	10 Ω	50 mA
BS6-ND203	19.99 mA	10 μA	1 Ω	150 mA
BS6-ND204	199.9 mA	100 μA	0.1 Ω	300 mA
BS6-ND205	5.00 A	10 mA	400 MΩ	5.1 A
BS6-ND206	19.99 A	10 mA	Shunt use (secondary voltage 50mV)	
BS6-ND207	199.9 A	100 mA		
BS6-ND208	1999 A	1 A		

Measuring range ● AC current (BS3, BS6, BS1)

Model	Measuring range	Resolution	Input impedance	Max. allowable input current
BS□-NA201	19.99 mA	10 μA	10 Ω	50 mA
BS□-NA202	199.9 mA	100 μA	1 Ω	300 mA
BS□-NA203	1.999 A	1 mA	0.1 Ω	3 A
BS□-NA204	5.00 A	10 mA	40 MΩ	5.1 A
BS□-NA205	19.99 A	10 mA	Current transformer use (secondary current 5A)	
BS□-NA206	30.0 A	100 mA		
BS□-NA207	100.0 A	100 mA		
BS□-NA208	150.0 A	100 mA		
BS□-NA209	199.9 A	100 mA		
BS□-NA2010	300 A	1 A		
BS□-NA2011	1999 A	1 A		

● AC voltage (BS3)

Model	Measuring range	Resolution	Input impedance	Max. allowable input current
BS3-NA101	1.999 V	1 mV	100 kΩ	10 V
BS3-NA102	19.99 V	10 mV	1 MΩ	50 V
BS3-NA103	199.9 V	100 mV	10 MΩ	300 V
BS3-NA104	400 V	1 V	10 MΩ	500 V
BS6-NA105	400 V	1 V	10 MΩ	500 V

● AC voltage (BS6, BS1) ※ Model name: BS1-NA105 (range: 500V)

Model	Measuring range	Resolution	Input impedance	Max. allowable input current
BS □-NA101	199.9 mV	0.1 mV	10 kΩ	10 V
BS □-NA102	1.999 V	1 mV	100 kΩ	10 V
BS □-NA103	19.99 V	10 mV	1 MΩ	50 V
BS □-NA104	199.9 V	100 mV	10 MΩ	300 V
BS6-NA105	400 V	1 V	10 MΩ	500 V
BS1-NA105	500 V			

● DC ammeter (BS3, BS6, BS1)

Model	Input	Display range	Input impedance	Max. allowable input current
BS □-ND211	4-20 mA DC	50.0	25 Ω	150 mA
BS □-ND212		100.0	50 Ω	150 mA
BS □-ND213		199.9	100 Ω	150 mA

● DC voltmeter (BS3, BS6, BS1)

Model	Input	Display range	Input impedance	Max. allowable input current
BS □-ND111	1-5Vd.c.	50.0	500 kΩ	100 V
BS □-ND112		100.0	500 kΩ	100 V
BS □-ND113		199.9	500 kΩ	100 V

Input Measuring range 0 - 10 V d.c. (optional)

● DC voltage (BS3, BS6, BS1)

Model	Measuring range	Resolution	Input impedance	Max. allowable input voltage
BS□-ND101	199.9 mV	0.1 mV	10 kΩ	70 V
BS□-ND102	1.999 V	1 mV	100 kΩ	100 V
BS□-ND103	19.99 V	10 mV	1 MΩ	200 V
BS□-ND104	199.9 V	100 mV	10 MΩ	300 V
BS□-ND105	500 V	1 V	10 MΩ	600 V