

Specification	NewPort 215	Texmate BN-35
Display Span	±1999 Counts	±1999 Counts
Input Configuration	True Differential	True Differential
Input Range (Vdc)	0.2, 2.0, 20.0, 200	0.2, 2.0, 20.0, 200
Common Mode Rejection (dB)	80	80
Input Impedance (GΩ @ 2V IN)	10	0.1
Automatic Zero & Polarity	✓	✓
3-Wire Ratiometric Mode	✓	✓
Digits	3.5	3.5
Digit Size (in.)	0.56	0.56
Digit Color (std)	Red	Red
Digit Color (optional)	✗	Green / Bright Red
Case Type	1/16 DIN	1/16 DIN
Case (WxHxD) (in.)*	3.62 x 0.87 x 2.82	3.59 x 0.86 x 2.92
Bezel (WxH) (in.)	3.78 x 1.02	3.78 x 0.95
Panel Cutout (mm)	92 x 22.2	92 x 22.2
Weight (g)	145	85
Connector	Push-On Solder Lug	Push-On Solder Lug
Optional Connector	✗	Push-On Terminal Block
Mounting	Metal Spring Clamp	Plastic Slide Clip
Mounting (Optional)	U-Clamp	Screw Mounting Clip
Std Power Vdc (W), non-isolated	+5Vdc (1.0W)	+5VDC (1.0W)
Optional Isolated Power	✗	BN-35I 5-24VDC
Conversion Type	Dual Slope	Dual Slope
Accuracy	±0.05%R ± 1 count	±0.05%R ± 1 count
Span Potentiometer	✓	✓
Zero Potentiometer	✗	Optional
Temperature Coefficient	80ppm/°C	50ppm/°C
Reading Rate	2.5sec	3.0sec
Overrange	3 LSDs Blank	3 LSDs Blank
Operating Temp (°C)	0-55	0-60
Storage Temp (°C)	-40 to +85	-40 to +85
Humidity (RH,non-condensing)	0-95%	0-95%
Hold	✓	✓
Blank/Dim	✗	✓
Test	✓	✓
Custom Faceplate	✗	✓
Connector Pinout		
Connector 1/A	+5VDC	+5VDC
Connector 2/B	HOLD	HOLD
Connector 3/C	GND	GND
Connector 4/D	GND	GND
Connector 5/E	SPARE	SPARE
Connector 6/F	REF IN	REF IN/COMMON
Connector 7/H	SPARE	COMMON/BLANK-DIM
Connector 8/J	TEST	TEST
Connector 9/K	SIG HI IN	SIG HI IN
Connector 10/L	SIG LO IN	SIG LO IN
Connector 11/M	SPARE	RESERVED
Connector 12/N	DP 1X.XX	DP 1X.XX
Connector 13/P	DP 1.XXX	DP 1.XXX
Connector 14/R	DP 1XX.X	DP 1XX.X
Connector 15/S	DP RETURN	DP RETURN

*Depth includes push on edge connector

Specification Comparison between Newport 215 and Texmate BN-35



BN-35



Newport 215

Product Specifications

Wiring Diagram

Specifications		Unit	Minimum	Standard Value	Maximum
Accuracy : $\pm 0.5\%$ full scale Plus 2 counts digital reading					
Voltage Range	DC	V	0.075	–	600
	AC	V	2	–	600
Current Range	DC	A	0.002	–	10
	AC	A	0.1	–	10
Input Impedance	Voltage	Input Range		Input Impedance	
		200 mV		20 k Ω	
		2 V		100 k Ω	
		20 V		1 M Ω	
		200 V		3 M Ω	
	600 V		3 M Ω		
	Current	2 mA		50 Ω	
		20 mA		5 Ω	
200 mA		0.5 Ω			
5 A		0.02 Ω			
Wire Gauge : 2.5	mm ²				
LED Height : 14.2 mm (0.56 inch)					
Operating Temperature	°C	5 °C	–	+40 °C	
Storage Temperature	°C	-10 °C	–	+55 °C	
Protection Grade : IP40					
Safety Class : CAT III-600 V, Class 2					
Material : PC Flame Retardant					
Power Consumption	VA	–	–	5 VA	
Auxiliary Power	V	100-370 VDC / 85-264 VAC Optional 24 VDC			



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