



Table 1 – Comparison Newport 2520 to Texmate BN-45

Feature/Spec	2520	BN-45
Display	4.5 digit	4.5 digit
Display Size	0.56"	0.56"
Display Decimal Points	4, left of LSDs	4, left of LSDs
Overload	Display flashes	Display flashes
Input range	+/-2V, +/-20V, +/-200VDC	+/-2V, +/-20V, +/-200VDC
Adjustment range jumpers	Yes	No
Input spec	True differential	True differential
Data Output	Serial BCD main board Parallel BCD optional (daughter)	Serial BCD main board Parallel BCD Possible, not now
Display Hold	Yes	Yes
Display Test	Yes	Yes
Input Impedance	1 Gohm	1Gohm
Input Protection	300V	250V
Accuracy	+/- 0.01%R +/-2 Counts Ideal Lab value?	+/- 0.05%R +/-3 Counts Field tested value
Zero offset adjust	Yes	Yes
Span adjust	Yes	Yes
Conversion Technique	Dual slope, average value	Dual slope, integrating
Conversion Rate	2.5/sec	3/sec
Conversion Polarity	Automatic	Automatic
Case Type	1/16 DIN	1/16DIN
PCB Layout	Through Hole	Through Hole
Case Dimensions (in)	3.58W x 2.14D x 0.83T	3.59W x 2.23D x 0.86T
Total Depth with Connector (in)	??? (edge) 2.82 (solder lug)	2.44 (edge) 2.92 (solder lug) 3.29 (terminal block)
Panel Cutout (mm)	92.0+/-0.13 x 22.2 +0.3-0	92mm x 22.2mm
Panel Mount	Spring Clamp	Sliding Clamp
Connector Type	Edge Connector Solder Lug	Edge Connector Solder Lug (optional) Terminal Block (optional)
Connector Pinout Match	Yes	Yes
Power	5VDC, 200mA +/-15%	Isolated 5VDC, 300mA Isolated 24VDC optional