Technical Data Sheet

Beta G2



Beta G2 is the digital panel meter specially designed for the industrial applications, which frequently requires precise and on-site adjustment of the display range.

Special Features

- 3/64 DIN Indicator
- LCD: 4-1/2 digit 0.5″ high LCD display with optional negative image, bright red backlighting
- Limited range display scaling
- Span adjustment and offset adjustment through potentiometer

Application

Beta G2, the digital panel meters have been designed for industrial applications, which frequently require precise and on-site adjustment of the display range. It can be used in industrial automation and for laboratory uses.

Technical Specifications

Accuracy	
Accuracy @ 25ºC	±(0.5% of reading + 5 count)
AC TRMS V	(50Hz - 2KHz)

Display	4-1/2 Digit LCD Display
Type	7 Segment
Height	0.5" (12.7mm)
Decimal point (Selectable)	4 position
Overrange Indication	Most significant digit = "1"
Backlighting	Optional negative image, Red Backlight
Polarity	Auto with "-" indication; "+" implied

Power Requirements	
AC Volt	85-250V AC @ 40-440Hz

Power Consumption	
4.0VA (2.4W) Max	4.0 V A (2.4W) Max

Isolation
250Vrms Max

Excitation Current
25mA (Maximum)

Environmental	
Operating Temperature	0ºC to 55ºC
Storage Temperature	-10ºC to 60ºC
Relative Humidity	0 to 95% non condensing
Temperature Coefficient	0.2% of input ± 0.5 digits/ºC
Warm-up Time	Less than 20 minutes

Mechanical	
Bezel	0.95" * 2.84" (24mm * 72mm)
Depth	2.36" (60mm)
Panel Cutout	0.88" * 2.68" (22.2mm * 68mm)
Case Material	94-0, UL-rated, glass-filled thermoplastic

Measuring Range

AC TRMS Voltage

Range	Resolution	Input Impedance	Max Overload Allowed	Display Type	Display Type	Display Span
270V	100mV	1MΩ	270VAC	Non Backlight (LCD)	Negative Image Red (LCD)	19999

Display Scaling : Beta G2 indicators have limited range coarse and fine adjustments for display scaling. There are no optional connections required for these to function. The "COARSE" calibration will allow a limited range of scaling values. The meter can be scaled down to ½ the value of the input, but not scaled up. Maximum scaling is maximum input or a maximum reading of 1.9999, which ever is lower. The "FINE" calibration allows for an approximate range of 1% of the "coarse" calibration.

Ordering Information

Product Code	BT42-	X	X	XX	X	00000000
Size	24X72	B				
LCD Color	Gray LCD		G			
	Red LCD		R			
Input Range	270VAC			3V		
	200VAC			1N		
Power Supply	85-250U				Q	

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