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PRECISION INSTRUMENTATION

Beta G2
Digital Panel Meter
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Multifunction Meters

Transducers & Isolators

Temperature Controllers

Converters & Recorders

Digital Panel Meters

Current Transformers

Analogue Panel Meters

Shunts

Digital Multimeters

Clamp Meters

Insulation Testers

BETA G2 DIGITAL PANEL METER

User Manual - Issue 1.0

SUBJECT TO CHANGE WITHOUT NOTICE

This manual superseded all previous versions – please keep for future reference

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

1. 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.

2. Technical Specifications

Accuracy	
Accuracy @ 25°C	±(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
Over range 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	0°C to 55°C
Storage Temperature	-10°C to 60°C
Relative Humidity	0 to 95% non condensing
Temperature Coefficient	0.2% of input ± 0.5 digits/°C
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	Voltage Drop	Max Overload Allowed	Display Type		Display Span
270V	100mV	1MΩ	270VAC	Non Backlight (LCD)	Negative Image Red (LCD)	19999

3. Ordering Information

Product Code	BT42-	X	X	XX	X	00000
Size	24X72	B				
LCD Colour	Gray LCD		G			
	Red LCD		R			
Input Range	270VAC			3V		
	200VAC			1N		
Power Supply	85-250U				Q	

Contact



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