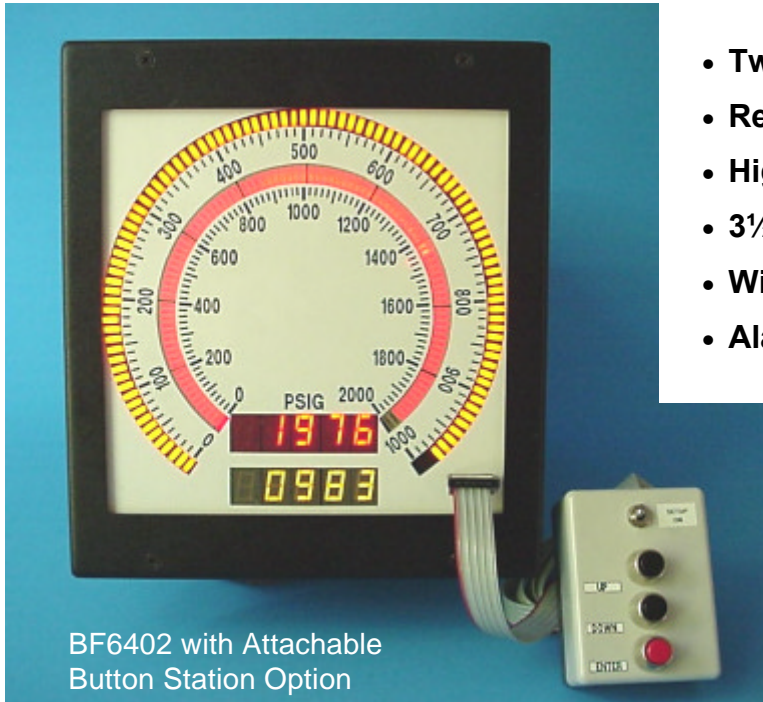


BF6400 SINGLE & DUAL CONCENTRIC BARGRAPHS



- Two Complete Bargraph Units in One Case
- Replaces Foxboro 6400HC Indicators
- High Resolution 101 Segment Bars
- 3½ or 4½ Digit LED Displays
- Wide Selection of Inputs
- Alarm, Retransmit & SCADA Output Options

The BF6400 family of Bargraph Meters provide either one or two channels of signal conditioning and display in a rugged metal case. For maximum flexibility, each channel is configured separately and operates totally independently. These units provide large, bright displays to replace Foxboro mechanical indicators or other large analog gauges.

In addition to replicating the Foxboro 0-50mA DC input, a wide selection of DC, AC, temperature and frequency inputs can be ordered. Adjustable setpoints and up to four relay outputs provide the capability for control and alarm based on signal level. Custom scales can be specified to duplicate existing gauge markings.

The front panel has no operator accessible controls, so configuration settings cannot be accidentally changed. Either the digital interface or optional Attachable Button Station can be used to setup or reconfigure each channel. The digital displays provide precise measurements of process parameters. The optional analog retransmit can be used for remote display or connection to a plant SCADA system. The BF6400 provides many other features of Weschler's popular BG252, including adjustable bar zero location, bar span, digital decimal point, digital full scale and flashing overrange.

Key Specifications:

- Outer Bar: 101 segment Red, Green or Amber LED, 5" dia.
 - Inner Bar: 101 segment Red LED, 3.5" dia.
 - Digital Display: 7 Segment LED, 0.4" high, color matches bar.
3½ digit resolution 0.1% of full scale.
4½ digit resolution 0.01% of full scale.
 - Input Sensitivity: 50µA-5ADC, 50mV-250VDC, 50mA-5AAC, 1-250VAC.
Line frequency 55-65Hz, Freq 50-20kHz.
 - Input Overload: 200%, not to exceed 250V or 10A.
 - Setpoint Relays: 2 or 4 Form C, single pole (SPDT)
Normally Open contacts: 5A@250VAC or 28VDC, resistive.
Normally Closed contacts: 3A@250VAC or 28VDC resistive.
 - Connections: Phoenix style standard (mating connectors supplied), terminal strips optional.
 - Dimensions:
Front Bezel: 6-7/16"W x 7-1/8"H, protrudes 1/2".
Case: 5-15/16"W x 6-1/8"H.
Depth: 6-5/8" behind panel + 1/2" for connectors.
 - Operating Temperature: 0 to 50°C, <95% RH, non-condensing.
 - Storage Temperature: -40°C to 85°C.
 - Weight: 5.2 lbs.
- See Weschler Digital catalog for more complete input specifications.



Mounting hardware attaches to top & bottom or sides

BF6400 CONCENTRIC BARGRAPH

8/05

CONFIGURATION GUIDE

Outer Channel

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Inner Channel

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TYPE:
 E = BF6402 Dual Channel
 F = BF6401 Single Channel[^]

BAR ZERO POINT:
 B = Zero at Bottom
 H = Zero at 50% Mid scale
 F = Zero at Full Scale
 S = Special

DIGITAL DISPLAY:
 3 = 3½ digit
 4 = 4½ digit
 X = None

SETPOINTS:
 N = Hi / Lo
 H = Hi / Hi-Hi
 L = Lo / Lo-Lo
 4 = Hi-Hi / Hi / Lo / Lo-Lo
 Z = Fail Safe Hi / Lo
 X = None
 S = Special

SETPOINT HYSTERESIS:
 1 = 1% of Full Scale
 2 = 2% of Full Scale
 5 = 0.5% of Full Scale
 X = None
 S = Special

INPUT:
 A = DC Volts
 B = DC Amps
 P = 4-20mA DC (use input level AK)
 N = 1-5V DC (use input level AV)
 M = 10-50mA DC (use input level BA)
 C = AC Volts RMS (terminal strip connections incl.)
 D = AC Amps RMS (terminal strip connections incl.)
 F = Line Frequency
 Q = Mag Pickup Frequency
 T = Thermocouple (specify J, K, or T)
 R = 3 or 4 wire RTD (specify 100Ω Pt or 10Ω Cu)
 U = Serial ASCII (communication option required)
 S = Special

INPUT LEVEL:
 See Input Level Matrix chart

LED COLOR:
 G = Green
 A = Amber
 X = Red
 S = Special or Mixed

MISCELLANEOUS:
 K = Conformal Coating
 T = Terminal Strip Connector
 S = Special
 X = None
 A = Custom Artwork
 X = Not Required
 P = Peak/Valley Hold
 X = Not Required

COMMUNICATION:
 A = RS232
 X = None
 C = RS485 (2 wire bi-directional)

RETRANSMIT:
 A = 4-20mA DC into 250Ω
 B = 0-1ma DC into 1000Ω
 C = 1-5V DC
 D = 0-1V DC
 F = 4-20mA DC (isolated source*)
 G = 0-1mA DC (isolated source*)
 H = 10-50mA DC (isolated souce*)
 W = 24VDC@90mA Excitation Power
 (not available with F, G or H)
 X = None
 *unit must be AC powered

POWER:
 1 = 120VAC 50/60Hz
 2 = 240VAC 50/60Hz
 A = 8-30V AC
 B = 9-36V DC
 C = 18-75V DC
 D = 110-300V DC / 85-264V AC
 E = 4.5-9V DC

[^]Note: Single Channel units can be configured with either the inner or outer bar. Specify when ordering.



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