

Weschler Premo BarGraph Meter / Controller

Continued from previous page

SPECIFICATIONS

Digital Display Range:	-199999 to 999999
Decimal Point:	Five positions, front panel selectable
Update Rate:	3 to 10 times per second
Display Dimming:	8 level from front panel; continuous external option
A/D Converter:	Bipolar 17 bit (optional 23 bit)
Counter Functions:	Two built-in Up/Down counters
Data Logging:	Logging with date/time (Memory option A)
Trigger:	Time interval, setpoint, manual
Data storage:	Non-volatile EEPROM
Linearization:	4 selectable 32 point tables, cascadeable
Math Functions:	Sum, difference, ratio or the product of two inputs
Offset Functions:	Tare, compensation and calibration
Peak and Valley:	Min/Max storage with front panel recall
Digital Comm:	RS-232, RS-485, Ethernet
Setpoint Functions:	Hysteresis, on/off delays, one shot, pulse and repeat timers, latching, dual PID, setpoint tracking, logging trigger
Signal Processing:	Averaging, smart filter, rounding, square root
Timer:	Time-up, time-down, or real-time clock modes
Totalizer:	Two, for Total and Batch Total
Analog Output:	Isolated 16-bit, accuracy 0.02% FS
Resolution:	0.4µA on current, 250µV on voltage
Compliance:	500Ω max. for current, 500Ω min. for voltage
Real Time Clock:	Optional, 15 yr Lithium battery backup
Power:	85-265VAC / 95-370VDC @ 5W max
(DC to 400Hz)	15-48VAC / 10-72 VDC @ 5W max
Operating	0-50°C (32-122°F),
Temperature:	<95% (non-condensing) at 40°C
Software:	PC-based configuration utility

Style C

Bar:	7.25" length, 235° arc, ±60° viewing angle
Digits:	0.43" (10.9mm) height
Case:	Steel housing, molded front & rear bezel
Size:	4.43" square bezel, 4.75" behind panel
Mounting:	Fits standard ANSI 4" switchboard cutout

Style G

Bar:	10" length, ±60° viewing angle
Digits:	0.31" (7.9mm) height
Case:	Steel housing, molded rear bezel
Size:	1.7" x 6.04", 7" behind panel
Mounting:	Fits standard ANSI 6" switchboard cutout

Style D

Bar:	4" length, ±60° viewing angle
Digits:	0.43" (10.9mm) height
Case:	Steel housing, metal front, molded rear bezel
Size:	3.15" x 12.9", 7.8" behind panel
Mounting:	Fits Bailey draft gauge cutout

Yokogawa Temperature Controllers

- On/Off, PID, Heat/Cool & Limit Control
- Dynamic auto tune & "SUPER" overshoot suppression
- Compact 1/16 DIN package
- Large LED display
- IP65 splash & dust-proof front panel
- Optional analog retransmit of measured value
- Timer function (UT150)
- Optional heater burnout alarm & two alarm output relays
- Optional 24V AC/DC power supply
- Optional RS-485 MODBUS communication



UT130

SPECIFICATIONS

Input:	
RTD:	3-wire Pt100
T/C (all models):	J, K, T, E, L, U
T/C (UT150 models):	R, S, B, N, platinum
DC In (UT150 models):	0-100mV, 0-5V, 1-5V, 0-10V
Basic Accuracy:	
T/C:	±2°C ±1d
RTD:	±1°C ±1d
DC:	±0.3% ±1d
Setpoints:	1 on UT130, 2 on UT150
Timer (UT150 models):	Up to 100 hours
Retransmit:	4-20mA
Contact Input:	2 points for SP select, run/stop or timer
Contact Output:	2 for alarm, heater disconnect or timer
Alarm:	25 types
Display:	UT130: single 0.7" 3-digit LED UT150: dual (red/green) 4-digit LED
Power:	100-240VAC, 8VA
Approvals:	UL, CSA, CE
Temperature:	0-50°C operating
Dimensions:	48x48x100mm

ORDERING INFORMATION

To Order—Insert Code for Each Letter to Select Catalog Number

A B C Example: UT130-RN/AL/RS

A	Model
	UT130 Temperature Controller
	UT150 Temperature & Voltage Controller
	UT150L Limit Controller
B	Control
	/RN Relay output
	/VN Pulse output ³
	/AN 4-20mA output (UT150 only) ³
	/RR Heat/cool relay outputs ³
	/VV Heat/cool pulse outputs ³
	/AA Heat/cool 4-20mA outputs (UT150 only) ³
C	Options
	/AL Alarm output (2 points)
	/V24 24V AC/DC power supply ³
	/HBA Heater disconnect alarm ^{2,3}
	/RET Analog retransmit (UT150 only)
	/RS RS-485 Communications
	/EX Two contact input (UT150 only) ¹

¹ cannot be ordered with communications when heat/cool control specified

² cannot be ordered with communications

³ not available on UT150L