

ATC Westcon Counters

W3830 Series

6-Digit Indicator/Totalizer with Optional Outputs



FEATURES

- Automatic Square Root Extraction
- Logic Controlled Up/Down Counter
- Preset Up Counter
- Preset Down Counter
- FLUME 5/2 Calculation
- WEIR 3/2 Calculation

SPECIFICATIONS

MODEL:	RANGE:	ACCURACY:
3830-23	0-5 VDC	±0.08% reading, ±0.05% FS
3830-25	0-10 VDC	±0.08% reading, ±0.05% FS
3830-27	4-20 mA	±0.08% reading, ±0.05% FS
OPERATING TEMP:	0°C to 50°C (32°F to 122°F)	
FRONT/CASE:	NEMA 4X / Anodized Aluminum	

OPTIONAL OUTPUTS

- Option C:** 3 Form-C 5 amp relay outputs activate when programmable high and low limits are exceeded. Permits on-off control of external circuitry, or alarm status communication with other equipment.
- Option H:** 1-4 analog outputs, 0-5 VDC, ±5 VDC, 0-10VDC or 4-20 mA. Accuracy is 0.35% of scaled range. Output signals are proportional to meter display.
- Option P:** Excitation 10VDC & 24VDC
- Option T:** RS232C serial data communications interface at 9600 Baud rate.
- Option V:** Totalizer pulse output. Solid-state relay (SSR). Operating range: ±80V peak. continuous load current: 150 mA. Pulse width: 60mS (consult factory if faster output is required).

ORDERING INFORMATION

Model #:	<u>3830</u> - <u>XX</u>	<u>XXXX</u>
Input	23 0-5 VDC	
	25 0-10 VDC	
	27 4-20 mA	
Options	C 3 Relays	
	H1 1 Analog Output	
	T RS232	
	V Totalizer Pulse Output	
	P Excitation	

W3870 Series

6-Digit Frequency Input Indicator/Totalizer with Optional Outputs



SPECIFICATIONS

RANGE: User programmable decimal, scale factors and insignificant zero blanking yield a display range of 0.00001 to 999999.	PULSE WIDTH: 5 micro- seconds minimum
INPUT RESPONSE: 0.0005 to 99,999 Hz	TRIGGER MODE: Negative edge of input pulse
PROTECTION: ±200 V peak	INPUT IMPEDANCE: 12k ohms
SENSITIVITY: TTL, CMOS or contact compatible	FILTER/DEBOUNCE: Front panel programmable digital filter
	FRONT/CASE: NEMA 4X / Anodized Aluminum

OPTIONAL OUTPUTS

- Option C:** 3 Form-C 5 amp relays activate when programmable high and low limits are exceeded. Permits on-off control of external circuitry, or alarm status communication with other equipment.
- Option G:** Input amplifier, 30 mV peak input at 5 Hz to 99,999 Hz.
- Option H:** 1-4 analog outputs, 0-5 VDC, ±5 VDC, 0-10VDC or 4-20 mA. Accuracy is 0.35% of operating range. Output signals are assignable to rate and total.
- Option P:** Excitation 10VDC & 24VDC
- Option S:** 230 VAC Power.
- Option T:** RS232C serial data communications interface at 9600 Baud rate.
- Option X:** Screw terminal block connector. Accepts up to #14 AWG wire.

ORDERING INFORMATION

Model #:	<u>3870</u> - <u>XXXXX</u>
Options	C Relay Outputs
	G Input Amplifier
	H1 1 Analog Output
	S 230 VAC Powered
	T RS232
	X Screw Terminal
	P Excitation