

West Temperature Controller

- Graphical LCD Display
- USB, RS485, Ethernet
- Profiling & Datalogging Options
- 1/4 DIN Size
- Sensor Break Detection
- 1-4 Relay Outputs
- UL, cUL, CE



▲ ProVU 4

SPECIFICATIONS

Input Accuracy:	±0.1% ±1d
T/C:	J, K, T, E, R, S, D, B, C, L, N
RTD:	3-wire Pt100, Ni120
DC In:	0-10V, 4-20mA
Sample Rate:	10/sec
Resolution:	16 bits
Aux DC In:	0-10V, 4-20mA optional
Accuracy:	±0.25% ±1d
Digital In:	TTL or Volt-free contact (24V max)
Relay Out:	2A resistive 120/240VAC
	Dual relays have shared common
SSR Drive:	>10V into >500Ω, non-isolated
Tuning:	Pre-tune, auto pre-tune, self-tune, manual
Protocol:	Modbus RTU or Modbus TCP Slave
LCD:	160 x 80 pixel (66 x 38mm), red/green backlite
Recorder:	1Mb non-volatile memory
Profiler:	64 max, 255 segments total
Temperature:	0-55°C operating

ORDERING INFORMATION

To Order- Insert Code for Each Letter. Example: V4-1-C-0-LT-0-1-5-0-01

V4-1- **A** - **B** - **C** - **D** - **E** - **F** - **G** - **H** - **I** - 01

A Type			
C	Controller		
U	Controller with USB		
D	Controller/Recorder		
R	Controller/Recorder w/USB		
B Profiler			
0	None		
P	Profiler		
C Supply			
0	100-240V AC		
2	24-48V AC/DC		
D Option Slot 1		E, F Option Slot 2 & 3	
0	None	0	None
1	Relay SPDT	1	Relay SPDT
2	DC SSR drive	2	DC SSR drive
L	Linear DC output	L	Linear DC output
8	Triac Output	8	Triac Output
G Option Slot 4		9	
0	None	S	Dual SSR drive
1	Four SPST Relays	T	24V Xmtr Power
H Option Slot A			
0	None		
1	RS485 Serial Comm		
3	Digital Input		
4	Remote Setpoint		
5	Ethernet		
I Option Slot B			
0	None		
R	Aux DCV, mA Input		

KEP Batch Controller

- Display Rate, Batch Size and Number of Batches or Grand Total
- 5 Digit Scaling Factor
- Pulse Input
- 2 Relay Outputs
- Analog Output or Serial/Modbus Options
- NEMA 4X / IP65 Front Panel



◀ MB2

The Mini-Batcher is a 6 digit totalizer and 4.5 digit ratemeter with two relay outputs. One output is dedicated to the batch amount (Preset A), the other can be activated for Prewarn or Batch/Grand Total. The unit can count up to the preset (reset to 0) or down from the preset (set to preset). Start, Stop and Reset functions can be activated from the front panel or remote inputs.

Up to 247 units can communicate to a host computer using Modbus RTU protocol. Alternately, an analog output (assignable for Rate or Batch Amount) can be ordered for data logging.

SPECIFICATIONS

Display:	6 digit, 0.55" high LED
Input:	Pulse, 50VDC max, 10kW resistance
Ratemeter Display:	Units per second, minute or hour
Accuracy:	0.01% FS (±1 digit)
Sampling Rate:	2 to 24 seconds
Scaling Factor:	0.0001 to 99999 (converts input pulses to engineering units)
Presets:	Two, 5 digits each
Front Panel Lockout:	Complete locked out (except Start/Stop) or the presets can remain accessible
Relays:	Two N.O. 5A, 120/240VAC or 28VDC. (N.C. contacts and NPN transistor output available with solder jumpers)
Relay B On Time:	0.01 to 99.99 sec. or latched (0.00 setting)
Power Consumption:	6.5VA AC or 250mA DC max.
Output Power:	+12VDC @ 50mA, unregulated -10 + 50% (AC powered units only)
Operating Temperature:	0-54°C (32-130°F), <90% RH, non-condensing
Memory:	EEPROM stores data for 10 years if power is lost
Dimensions:	4.44" W x 2.63" H x 4.25" D (113 x 67 x 108mm)
Cutout:	3.622" x 1.772" (92 x 45mm)

ORDERING INFORMATION

To Order—Insert Number Code for Each Letter to Select Catalog Number.
Order Example: KE/MB2C34

KE/MB2	A	B	C
A Operating Voltage			
A	110 VAC ±15% or 12-15 VDC		
B	220 VAC ±15% or 12-15 VDC		
C	24 VAC ±15% or 12-15 VDC		
B Count Inputs			
3	4-30 VDC or 0-1VDC pulse, 10kHz max.		
3M	30mV mag. pickup, 5kHz max.		
C Options			
1	RS232 Comm., KEP protocol		
2	RS422 Comm., KEP protocol		
3	RS232, Modbus RTU		
4	RS422/RS485, Modbus RTU		
A	Analog Output (4-20/0-20 mA)		