



Programmable Universal Verbalizer 1/8 DIN Panel Meter

OMEGASEZ®



UV1000-PM, \$285, shown smaller than actual size.

PATENT PENDING

UV1000-PM



- ✓ Verbalizes/Displays Analog Inputs— 0 to 10 Vdc, 0 to 20 mA or 4 to 20 mA, and Types K, J, T, and R Thermocouple Input in Engineering Units
- ✓ Scaling Analog Inputs
- ✓ 2 Alarm Outputs in Three Different Formats:
 - Mechanical Relay
 - Audio (Speech)
 - Visual (LED Display with Color Change)
- ✓ User Friendly PC Interface Allows User to Configure and Program the Unit
- ✓ Alarm Output with Adjustable Deadband
- ✓ Color Change LED Display—**GREEN, AMBER** and **RED**
- ✓ Built-In Speaker and External Loudspeaker Included
- ✓ Over 100 Built-In Audible Engineering Units to Choose From
- ✓ Selectable Decimal Point— Decimal Points Auto Shifting on the Display
- ✓ Selectable Speech Interval 0 to 120 Seconds
- ✓ Verbalizes Signals While Connected to the Sensors or Other Measurement and Control Devices
- ✓ Front Buttons Provide Input Selection, Command/Continuous Talk Selection and Volume Control
- ✓ Power Supply: 90 to 240 Vac ±10%, 50 to 400 Hz

The new UV1000-PM universal verbalizer is an innovative panel meter that can verbalize and display process signals 0 to 10 Vdc, 0 to 20 mA or 4 to 20 mA, and Type K, J, T, and R thermocouple signals. You can configure/program the verbalizer through the friendly PC user interface software to specify the input range, display decimal point, analog input scaling, audible engineering unit, and high/low alarm set point. Select from over 100 engineering units while configuring the verbalizer. The front buttons allows the user to select different inputs, command/continuous talk, and adjust volume. The UV1000-PM is a creative solution for process monitoring almost any type of measurement with speech/display/alarming.

CAUTION! – This product is not intended for medical use or use on humans

*No CE compliance above 60 Hz



Specifications

Display Range: -999 to 9999 counts (highest display resolution mode -9.99 to 9.999, Automatically shifts the decimal point right or left depending on the process value of the meter)

Verbalize (Speech) Range: ±9999 counts (highest speech resolution mode -9999.999 to 9999.999 counts)

Command/Continuous Talk: Command/continuous speech mode selection from the button

Volume Control: Set via front buttons keypad, 8 levels at 4 dB intervals

Color Change LED Display: Three color change LED display; **GREEN** (normal operation condition), **AMBER** (in TC open or overrange condition) and **RED** (in alarm condition)

Display Decimal Points Auto Shifting: Automatically shifts the decimal point right or left depending on the process value of the meter on the LED display within your selected decimal point

Relay Outputs: 2 Form C (SPDT) relays, 250 Vac or 30 Vdc @ 3A (resistive load)

Power Input: 90 to 240 Vac, 50 to 400 Hz
110 to 375 Vdc, equivalent voltage

PC User Interface Software Features:

- Selectable talking interval, 0 to 120 sec
- Selectable decimal point
- Adjustable input offset
- High and low alarm settings
- Analog input scaling
- Change engineering unit—over 100 engineering unit selections
- Selectable alarm output dead band

Selectable Alarm Deadband: Range 0 to 999

Maximum Recommended Wire Size: 18 AWG

Inductive Loads: To prolong relay contact life and suppress interference, it is a recommended engineering practice to use a snubber circuit, such as OMEGA's CNQUENCHARC

Input Select Indication: Green LED

Alarm Indication: Flash red LED, LED display color changing

Speech Sampling Rate: 8 KHz

Speaker: Built-in and external speaker, 8 Ω

Operating Ambient Temperature: 0 to 50°C (32 to 122°F)

Operating Relative Humidity: 0 to 95% RH (non-condensing)

Dimensions: 131 L x 96 W x 48 mm D (5.13 x 3.78 x 1.89")

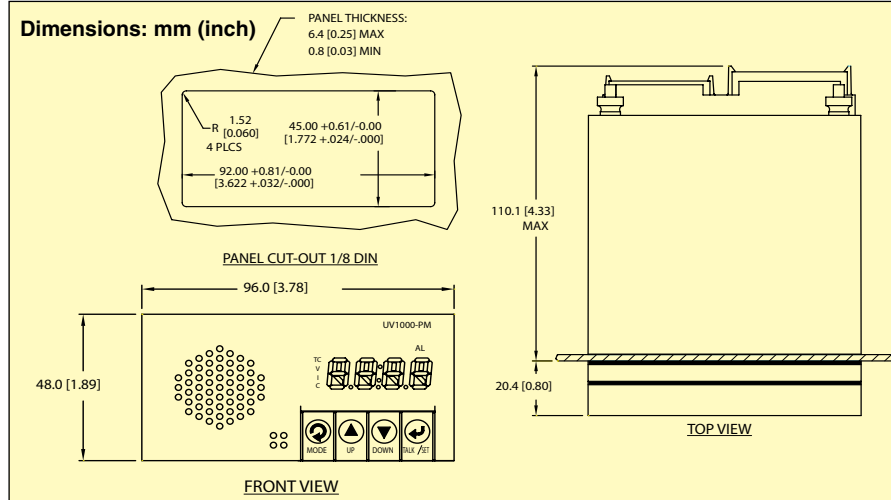
Panel Cutout Size: ½ DIN

Weight: 250 g (0.55 lb)

Verbaview™ User Software



AutoScaling automatically shifts the decimal point right or left depending on the process value of the meter.



Inputs

	Input Types	Range	Accuracy
Vdc	Process Voltage	0 to 10 Vdc	0.2% of full scale
mA	Process Current	0 to 20 mA or 4 to 20mA	0.2% of full scale
K	CHROMEGLA®-ALOMEGA®	-148 to 1600°F -100 to 871°C	3.6°F 2°C
J	Iron-Constantan	-103 to 1202°F -75 to 650°C	3.6°F 2°C
T	Copper-Constantan	-103 to 716°F -75 to 380°C	1.8°F 1.0°C
R	Pt/13%Rh-Pt	500 to 3110°F 260 to 1710°C	3.6°F 2°C

To Order	
Model No.	Description
UV1000-PM	Universal verbalizer, English, with 2 relays: form "C" SPDT 3 A @ 30 Vdc, 3 A @ 250 Vac, external loudspeaker

Comes complete with operator's manual, external speaker, and CD with configuration program.

Ordering Example: UV1000-PM, universal verbalizer, English.

OCW-3, OMEGACARE™ extends standard 1-year warranty to a total of 4 years.



OMEGACARE™ extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARE™ covers parts, labor and equivalent loaners.