Programmable Universal Verbalizer ⅛ DIN Panel Meter

OMEGASAYS®

NEW

Loudspeaker Included!

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

UV1000-PM
$285

1 YEAR WARRANTY · **MADE IN USA** · C E *

OMEGACARE℠ Extended Warranty Program

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

✔ **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**
*No CE compliance above 60 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 J, K, 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

M

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

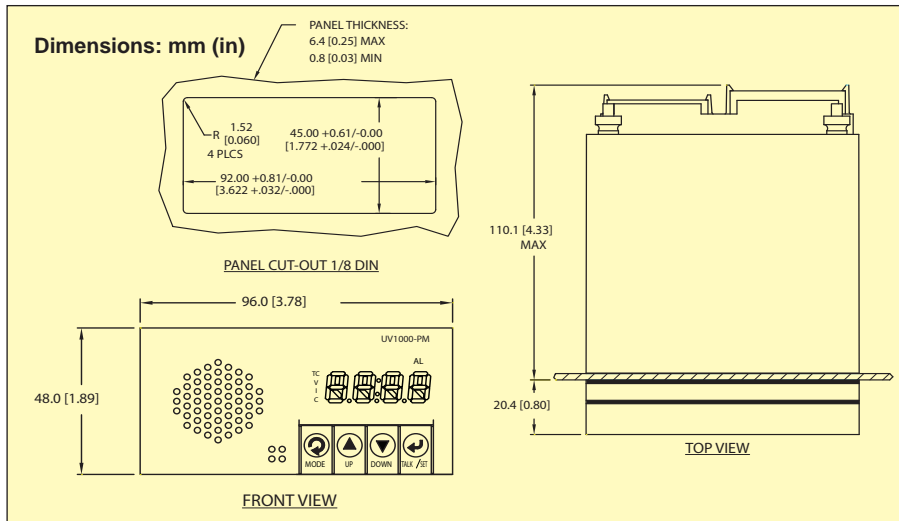**Operating Ambient Temperature:** 0 to 50°C (32 to 122°F)

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: ⅛ 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.

Dimensions: mm (in)

PANEL THICKNESS:
6.4 [0.25] MAX
0.8 [0.03] MIN

R 1.52 [0.060] 4 PLCS

45.00 +0.61/-0.00 [1.772 +.024/-.000]

92.00 +0.81/-0.00 [3.622 +.032/-.000]

PANEL CUT-OUT 1/8 DIN

96.0 [3.78]

48.0 [1.89]

UV1000-PM

AL

TC V C

MODE UP DOWN TALK / SET

FRONT VIEW

110.1 [4.33] MAX

20.4 [0.80]

TOP VIEW

Inputs

	Input Types	Range	Accuracy
	Process Voltage	0 to 10 Vdc	0.2% of full scale
	Process Current	0 to 20 mA or 4 to 20mA	0.2% of full scale
K	CHROMEGA®-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

AVAILABLE FOR FAST DELIVERY!

To Order *(Specify Model Number)*

Model No.	Price	Description
UV1000-PM	**$285**	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,* ***$285.***

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