

# Combustible Gas Transmitter

## for Hazardous Locations Use

BY **ENMET**

MODEL HLM-1000-EX  
LEL MONITOR

### THE SYSTEM

The CSA approved HLM-1000 Combustible Detector Head is used in the detection of combustible gases. Its modern circuitry and reliable gas sensing element provide all that is required to allow the standard linear 4-20mA signal to be directly interfaced to any control unit capable of using this signal. The simplicity of installation, operation, durability of construction and the low cost make the HLM-1000 ideal for any new or retrofit applications.



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<b>ORDER N°</b>	E90524
<b>APPROVALS</b>	CSA APPROVED FILE #LR60959
<b>INPUT VOLTAGE</b>	NOMINAL 24 VDC @ 0.150 AMPS MINIMUM 12 VDC @ 0.225 AMPS MAXIMUM 30 VDC @ 0.125 AMPS
<b>OUTPUT SIGNAL</b>	4-20mA (NON-LATCHING, NON-ISOLATED)
<b>ACCURACY</b>	5% OF READING
<b>REPEATABILITY</b>	2% OF READING
<b>DRIFT</b>	LESS THAN 3% PER MONTH
<b>OPERATING TEMPERATURE</b>	-40°C TO +75°C
<b>HUMIDITY RANGE</b>	0 - 99% NON-CONDENSING
<b>PRESSURE LIMITS</b>	600 - 900 MM HG
<b>VELOCITY LIMITS</b>	0 - 1000 FT/M
<b>MINIMUM OXYGEN CONTENT **</b>	10% VOLUME

1. USE 3 CONDUCTOR SHIELDED WIRING IN CONDUIT
2. WIRE LOOP RESISTANCE UP TO 8 OHMS MAY BE USED. THIS APPLIES TO THE CURRENT CARRYING CONDUCTORS, TERMINALS 24 VDC AND COMMON. THE SIGNAL TERMINAL (F.B.) CAN BE CONNECTED USING RESISTANCE UP TO 1000 OHMS.

\*\* ALL CATALYTIC COMBUSTIBLE GAS SENSORS REQUIRE A CERTAIN AMOUNT OF OXYGEN