

Combustible Gas Transmitter

for Hazardous Locations Use



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.



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