

Fiber Optic Sensor

ALARM OPTIONS

Fiber Optic Sensor available for 7440 Series



7440 with Fiber Optic Sensor

The fiber optic alarm sensor is an available option for all 7440 Series flowmeters and is compatible with all float materials except sapphire. The sensor is used to detect a predetermined rate of flow. The sensor can interface directly to a Programmable Logic Controller (PLC) or when connected to a separate relay can trigger a local or remote alarm.

The fiber optic sensor is mounted in a junction box attached to the side of the flowmeter. The sensor uses a pair of fiber optic cables, an emitter and receiver, to transmit the light generated by the sensor. Note: Maximum operating temperature 131° F.

FIBER OPTIC SENSOR ELECTRICAL SPECIFICATIONS

Supply Voltage	10-30 VDC
Supply Current	25 mA
Output	NPN Sinking, N.O. & N.C. PNP Sourcing, N.O. & N.C.
Output Rating	150 mA Max Total Load
Output Response Time	1ms
Off State Leakage Current	1 MICOAMP @ 30 VDC
Output Saturation Voltage	< 1 V at 10 mA DC < 1.5 V at 150 mA DC
Repeatability	0.25 ms
Housing Rating	IP67; NEMA 6
Operating Temperature	-5° to +131° F