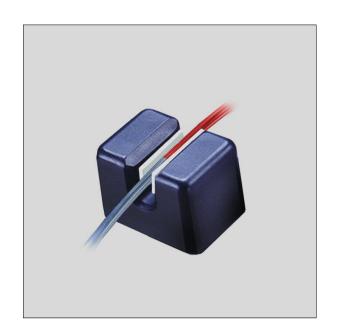


FEATURES

- Non-invasive optical technology
- Micro-controller based integral circuitry
- · Immunity to ambient light
- · High accuracy and reliability
- Detects blood per ANSI/AAMI RD5:2003

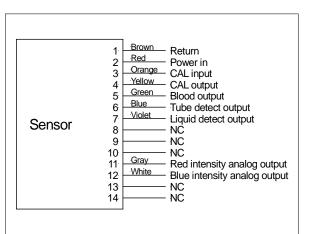


SPECIFICATIONS

Maximum ratings

Supply voltage (V _S)	$\begin{array}{c} 5 \text{ V}_{DC} \\ \text{(optional 624 V}_{DC}) \end{array}$
Supply current	typ. 150 mA
Temperature limits Storage Operating	-20 85 °C 5 60 °C
Humidity limits	0 - 95 %RH (non-condensing)

ELECTRICAL CONNECTION



Note: Set CAL input (Pin 3) momentary high to begin calibration. CAL output (Pin 4) will be high if calibration is complete.

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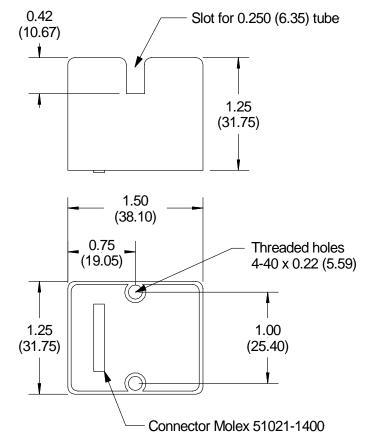
PERFORMANCE CHARACTERISTICS

Char	Min.	Тур.	Max.	Units		
Logic low voltage			0.6	V		
Logic high voltage	V _s -0.7					
CAL input min. width ¹	50			ms		
Response time	Calibration ²			15	S	
	Blood detect ³			500		
	Tube detect		100		ms	
	Liquid detect		200			

Notes:

- 1. The minimum width for the CAL input to initiate a calibration cycle. Pulses shorter than this may be ignored
- 2. The maximum time to perform the tube calibration cycle.
- 3. The maximum time to detect blood levels rising above the limit or blood levels falling below the limit.

OUTLINE DRAWING



all dimensions in inches (mm)

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ORDERING INFORMATION

	Series		Electrical		Options	Design type		Tubing size	
Options	BCD	1	5 V input, logic output	000	Standard (threshold AAMI),	8	for rigid tubing	04	1/4 inch O.D.
	2 624 V input, logic output 28 inch leads, no tube detection, no liquid detection	9	for soft tubing						
		3	5 V input, analog and logic output						
		4	624 V input, analog and logic output						
Example:	BCD -	1		000	-	8		04	

Notes:

Sensortechnics is asking customers for a sample of their tubing. The sensor will then be calibrated for exactly this tubing. For proper function the sensor should only be used with the tubing which was sent to Sensortechnics!

Custom specific modifications are widely available. Please contact your nearest Sensortechnics sales office for further information.

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