

FE3201 Ex proof Sanitary Flow + Temp Sensor Stainless Steel Housing Seal Plus structure Connection: External thread G1 Programmable 3 digit display M12 socket			
Ex-proof marking	Ex nA IIC T4 Gc / Ex tD A21 IP67 T100°C		
Applications	Liquid and gas		
Electric design	DC 2 x PNP		
Output	Mode	Temperature	Flow
	NO 0	NO 	/NO 
	NO 1	NC 	/NC 
	NO 2	NO 	/NC 
	NO 3	NC 	/NO 
Supply voltage[V]	20...36 DC		
Max. overload current[mA]	2 x 400		
short-circuit protection	Yes		
Reverse polarity protection	Yes		
Overload protection	Yes		
Voltage drop[V]	2.5		
Current consumption[mA]	<80		
Programming options	Hysteresis range / Window function, Output setting, Calibration, High/Low switching point setting, °C/°F, Unit display, SP setting		
Operating temperature[°C/°F]	-40...150/-40...302		
Accuracy of display[°C/°F]	0.5/1		
Max. temperature drift[K/min]	300		
Pressure resistance[bar]	30		
Liquid temperature[°C/°F]	-25...95/-13...203 (140°C 1H)		
Liquid setting range[cm/S]	3...300		
Max sensitivity of range for liquid[cm/S]	3...100		
Gas temperature[°C/°F]	-25...95/-13...203 (140°C 1H)		
Gas setting range[cm/S]	200...3000		
Max sensitivity of range for gas[cm/S]	200...800		
Startup time[s]	< 8		
Output response time[s]	< 2		
Ambient temperature[°C/°F]	-25...80/-13...176		
Protection/Enclosure Rating	IP67/IP69K*		

Dimensions[mm]	
Certification	FDA
ESD EN61000-4-2	6kV-CD / 8kV-AD
EFT EN61000-4-4	2kV
Walkie talkie experiment[mm]	< 10
Shock resistance[g]	50
Vibration resistance[g]	20
Upper cover material	Stainless steel 316L
Lower cover material	Stainless steel 304
Probe material/Wetted Parts	Stainless steel 316L
Function Display	Flow : 10 x 3 colors LED / Temp : 3 digit segment
Connection	M12 socket
Wiring	
Core color	
Pin 1=BN	
Pin 2=WH	
Pin 3=BU	
Pin 4=BK	
Pin 5=RD	
Note*	Use sanitary adapter to upgrade to IP69K (Optional accessory)