Operating Specifications (Analog)

(Unless otherwise specified, all parameters are measured at 25°C @ 5.0V applied)

Parameter	Symbol	Min	Typ	Max	Units	Notes/Conditions
Zero offset[1]		-15		15	mV/V	mV Output only
		300	500	700	mV	0.5-4.5V Output only
Full scale span[1]		16	20	24	mV/V	mV Output only
		3800	4000	4200	mV	0.5-4.5V Output only
Non-linearity		-1		1	%Span	BFSL
Hysteresis		-0.8		0.8	%Span	
Zero repeatability		-0.8		0.8	%Span	
Span repeatability		-0.8		0.8	%Span	
Thermal shift for zero		-0.05		0.05	%Span/°C	Reference to 25°C, over compensated temperature
Thermal shift for span		-0.05		0.05	%Span/°C	
Cycle life		1E+6				0 to full scale cycles
Deflection at rated load				0.03	mm	
Weight			6.0		grams	Without ribbon cable

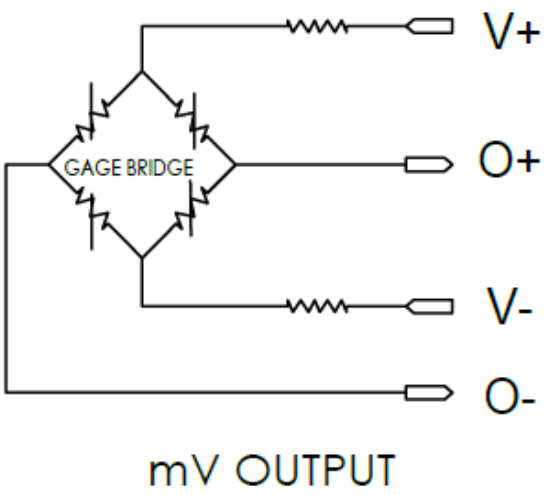
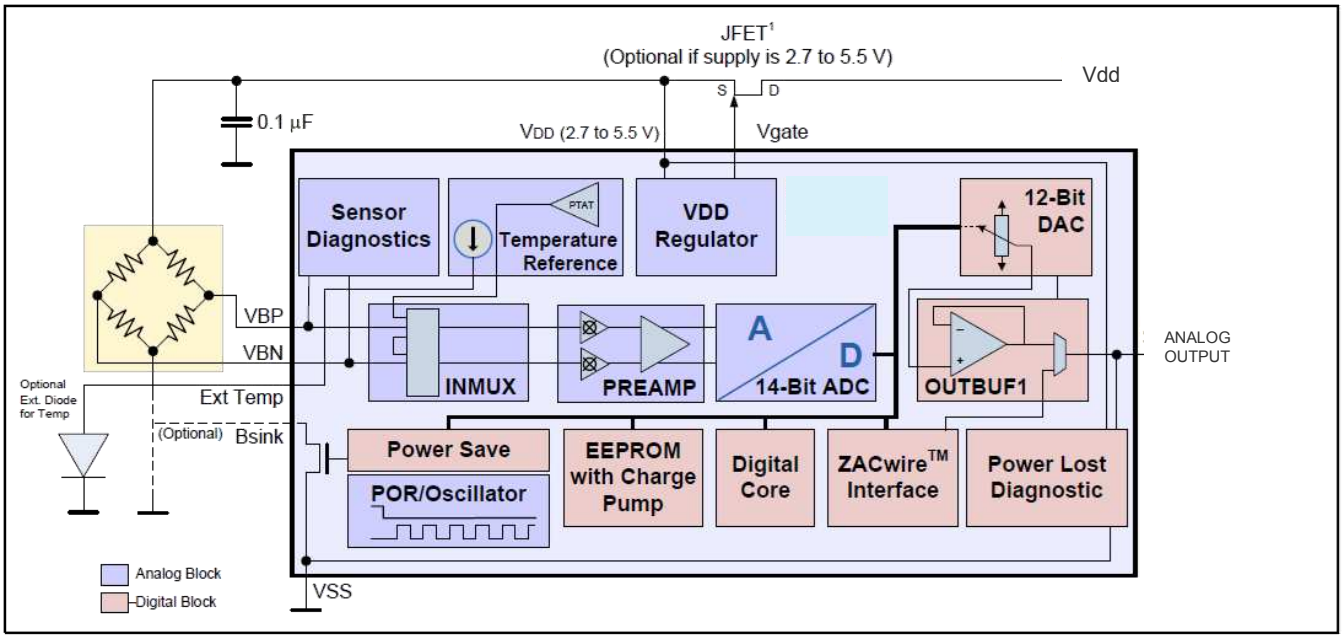
(1)Span and zero offset are ratiometric to power supply voltage

Environmental Specifications (Analog)

(Unless otherwise specified, all parameters are measured at 25°C @ 5.0V applied)

Parameter	Symbol	Min	Typ	Max	Units	Notes/Conditions
Compensated temperature range	T_o	0		50	°C	0.5-4.5V Output only
Storage temperature	T_s	-40		85	°C	
Ambient humidity		0		85	%RH	Non-condensing
EMI/RFI/ESD protection		IEC61000-4-2 ($8kV_{air}$/$4kV_{contact}$) IEC61000-4-3 (3V/m) IEC55032 Class A				mV Output only
Ingress protection	IP	43				
Media compatibility		External exposed surfaces: 17-4 and 304 stainless steel				Excluding cable & connector

Schematic Diagram – mV output (Analog)



Block Diagram – 0.5 to 4.5V output (Analog)