Specifications

IMPORTANT Note that the Input update rate and Step response for 1734-IE4C module differs from that of catalog number 1734-IE2C module.

Input Specifications

Attribute	Value
Number of inputs	4 analog, single-ended, non-isolated
Resolution	16 bits – over 0…21 mA 0.32 µA/cnt
Input current terminal	4…20 mA 0…20 mA
Absolute accuracy(1) Current terminal	0.1% Full Scale @ 25 °C
Accuracy drift w/temp. Current terminal	30 ppm/ºC
Input update rate (per module)	200 ms @ Notch = 60 Hz (default) 240 ms @ Notch = 50 Hz 120 ms @ Notch = 100 Hz 100 ms @ Notch = 120 Hz 60 ms @ Notch = 200 Hz 50 ms @ Notch = 240 Hz 40 ms @ Notch = 300 Hz 30 ms @ Notch = 400 Hz 25 ms @ Notch = 480 Hz
Step response (per channel)	50 ms @ Notch = 60 Hz (default) 60 ms @ Notch = 50 Hz 30 ms @ Notch = 100 Hz 25 ms @ Notch = 120 Hz 15 ms @ Notch = 200 Hz 12.5 ms @ Notch = 240 Hz 10 ms @ Notch = 300 Hz 7.5 ms @ Notch = 400 Hz 6.25 ms @ Notch = 480 Hz

Input Specifications

Attribute	Value
Input impedance/resistance conversion type	60 Ω Sigma Delta
Common mode rejection ratio	120 dB
Normal mode rejection ratio	-60 dB Notch Filter 15.7 Hz @ Notch = 60 Hz (default) 13.1 Hz @ Notch = 50 Hz 26.2 Hz @ Notch = 100 Hz 31.4 Hz @ Notch = 120 Hz 52.4 Hz @ Notch = 200 Hz 62.9 Hz @ Notch = 240 Hz 78.6 Hz @ Notch = 300 Hz 104.8 Hz @ Notch = 400 Hz 125.7 Hz @ Notch = 480 Hz
Data format	Signed integer
Maximum overload	Fault protected to 28.8V DC
Calibration	Factory calibrated
Indicators	1 green/red network status indicator, logic side 1 green/red module status indicator, logic side 4 green/red input status indicators, logic side

(1) Includes offset, gain, non-linearity and repeatability error terms

IMPORTANT Refer to Publication 1734-SG001 for information on breaking the field power distribution bus. See sections “When to Use the Field Power Distributor” and “When to Use the Expansion Power Unit”.