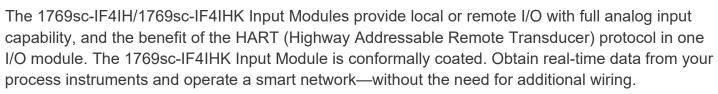
CompactLogix[™] **1769sc-IF4IH/ 1769sc-IF4IHK** Analog + HART Input Module





- Four isolated analog input channels plus HART.
- 6 input types.
- The module also acts as a HART master, allowing communication with HART field devices.
- Full Read/Write HART capability.
- Passthrough messaging capability.
- HART PV, SV, TV, FV along with analog data.
- Isolation 710 VDC channel-to-channel, 710 VDC channel-to-backplane isolation.





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1769sc-IF4IH(K) Specifications



Channels Per Module	4 Current, Voltage inputs plus HART
Input Ranges:	
Current	0-20 mA, 4-20 mA plus HART
Voltage	0-5 V, 1-5 V, 0-10 V, ±10 V
Resolution	16 bits
HART Dynamic Variables	PV, SV, TV, FV
Advanced Features	
Filtering	5 filter frequencies (individually selectable by channel)
Input Protection	Voltage Terminal: +/- 24VDC continuous Current Terminal: +/-28mA continuous, +/- 7 VDC
Update Times (ms)	10 to 108 ms for all channels. 6 seconds for HART
Data Formats	Integer
Electrical Isolation (continuous)	710 VDC field-wiring-to-backplane;
	500 VDC field-wiring-to-chassis-ground
	710 VDC channel-to-channel isolation
Input Impedance	>220 Kohm
	<250 ohm, current
Common Mode Rejection	60 dB at 50/60 Hz
Normal Mode Rejection	50 dB at 50/60 Hz
Backplane Current Required	75 mA at 24 VDC max
	175 mA at 5 VDC max
Thermal Dissipation	1.0 Watt, maximum
Environmental Conditions	
Operational Temperature	0 °C -+ 60 °C (32 °F - +140 °F)
Storage Temperature	-40 °C - +85 °C (-40 °F - +185 °F)
Relative Humidity	5% - 95% (non-condensing)
Conformal Coating	ANSI/ISA 71.04.2013 G3 Environment Standard
Certifications	UL/cUL Listed ANSI ISA 12.12.01 (Class I, Div 2, Groups ABCD), CE, ATEX, CCC, CMIM, UKCA

