



Analog I/O Modules (Input)

GE offers easy-to-use analog modules for control processes such as flow, temperature and pressure.

| | IC693ALG220 | IC693ALG221 | IC693ALG222 | IC693ALG223 |
|------------------------------|---|--|--|---|
| Product Name | Analog Input, Voltage, 4 Channel | Analog Input, Current, 4 Channel | Analog Input, Voltage, High Density (16 Channel) | Analog Input, Current, High Density (16 Channel) |
| Lifecycle Status | Mature | Mature | Mature | Mature |
| Module Type | Analog Input | Analog Input | Analog Input | Analog Input |
| Isolation | 1500 volts RMS field to logic side | 1500 volts RMS field to logic side | 1500 volts RMS field to logic side | 1500 volts RMS field to logic side |
| Range | -10 V to +10 V | 4-20 mA, 0-20 mA | -10 V to +10 V, 0 to 10 V | 0-20 mA, 4-20 mA |
| Number of Channels | 4 | 4 | 16 | 16 |
| Update Rate | 4 ms all channels | 2 ms all channels | 13 ms all channels | 13 ms all channels |
| Resolution | 12 bit; 5 mV/20 μ A/bit | 12 bit; 0-20 mA, 5 μ A/bit; 4-20 mA, 4 μ A/bit | 12 bit; \pm 10 V, 5 mV/20 μ A/bit; 0-10 V, 5 mV/20 μ A/bit | 12 bit; 0-20 mA, 5 μ A/bit; 4-20 mA, 4 μ A/bit; 4-20 mA Enhanced, 5 μ A/bit |
| Accuracy | \pm 10 mV/40 μ A at 25°C (77°F) | 0.1 % full scale | 0.25% at 25°C (77°F) | 0.25% at 25°C (77°F) |
| Input Impedance | >9 Megohms | 250 ohms | 250 ohms | 250 ohms |
| Input Filter Response | 17 Hz | 325 Hz | 200 Hz | 200 Hz |
| Connector Type | Terminal Block (20 screws), included with module. | Terminal Block (20 screws), included with module. | Terminal Block (20 screws), included with module. | Terminal Block (20 screws), included with module. |
| Internal Power Used | 27 mA @ 5 VDC; 98 mA 24 VDC Isolated | 25 mA @ 5 VDC; 100 mA @ 24 VDC Isolated | 112 mA @ 5 VDC; 4150 mA -User Supplied 24 VDC | 120 mA @ 5 VDC; 65 mA-User Supplied 24 VDC |