

FI302

Foundation Fieldbus to 4-20 mA Converter

The FI302 converts a FIELDBUS signal into a 4 to 20 mA signal. If the frequency converter does not have FIELDBUS capability, the bus signal can be converted into a conventional 4 to 20 mA by the FI302. The FIELDBUS signal can, for example, be a request from the bus to a frequency converter to set a conveyor speed to 3.4 ft/s.

This instrument has three independent channels, which means that three 4 to 20 mA outputs are available.



Some Characteristics:

Communication	FOUNDATION Fieldbus on 31.25 kbit/s voltage mode according to IEC 61158-2
Output	Three 4 to 20 mA current links, external supply and common ground
Output Load Limitation	External Output Supply Voltage / 3-45 Vdc
Accuracy	±0.1%
Power Supply	Bus powered: 9-32 Vdc
Power Consumption	Quiescent 12 mA
Function Blocks	Up to 20 Dynamically Instantiable Function Blocks. The Function Blocks available allow simple and complex control strategies to be placed inside the field device, making the field device an integral part of the control system. In order to fully benefit from the Function Blocks in the device a True Foundation Fieldbus system is recommended.
Configuration	Using local adjustment magnetic tool if device is fitted with LCD display. Complete configuration possible using PC software interface.
Indication	Optional LCD indicator
Material	Injected low copper aluminum with polyester painting or 316 stainless steel housing
Process Temperature Limits	-40 to 85 °C (-40 to 185 °F)
Ambient Humidity Limits	0 to 100% RH
Hazardous Area Certification	Explosion proof, weather proof and intrinsically safe
Mounting	Wall, panel, or 2" pipe with optional bracket
Weight	Nominal: 0.80 kg; Digital display adds: 0.13 kg; Mounting bracket adds: 0.60 kg