SIXTRAK®

High Density 4-20 mA Input Module

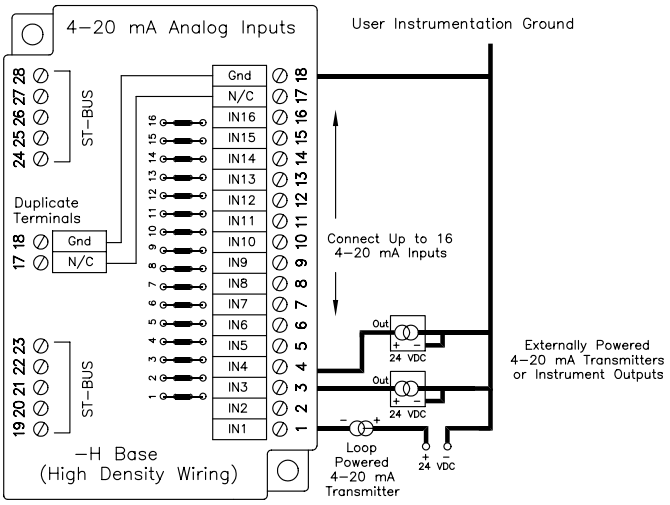
Select high density 4-20 mA inputs when…

…reduced panel space and lowest cost are primary requirements.

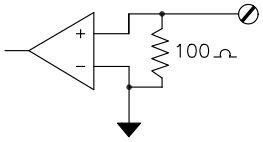
- 12-bit A/D converter for precision measurements
- High density modules have lowest cost per point
- Group isolation eliminates ground loops and interactions with other modules
- Field replaceable shunts reduce maintenance time

Performance Specifications

Number of channels	16
Input range	4-20 mA
A/D resolution	12 bits
Input resolution	6 µA
Full scale accuracy (@ 20°C)	0.10%
Input span adjustability	+/- 25%
Input offset adjustability	+/- 25%
Span temperature coefficient	+/- 50 ppm per °C
Offset temperature coefficient	+/- 50 ppm per °C
Input impedance	100 Ohms
DMRR (differential rejection at 50/60 Hz)	66 db
Input protection	Field-replaceable shunts
Fastest scan rate (all 16 channels)	10 mS
Maximum ST-Bus power	600 mW
Isolation (input to ST-Bus)	1200 VDC
Operating temperature range	-30 to 70°C
Storage temperature range	-40 to 85°C
Humidity (non-condensing)	5 to 95%

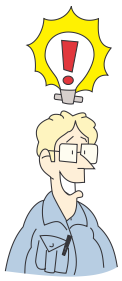


Equivalent Circuit



Ordering Information

Description	Part Number
16 Current Inputs w/Wiring Base	ST-AI-20M-16H
Module only	ST-AI-20M-16M



Application Idea

Pair this 16 channel 4-20 mA input module with the current limiter module (on the next page) for the highest system performance at the lowest cost.

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