QUAD TRON, INC.

303 Camars Drive
Warminster, PA 18974

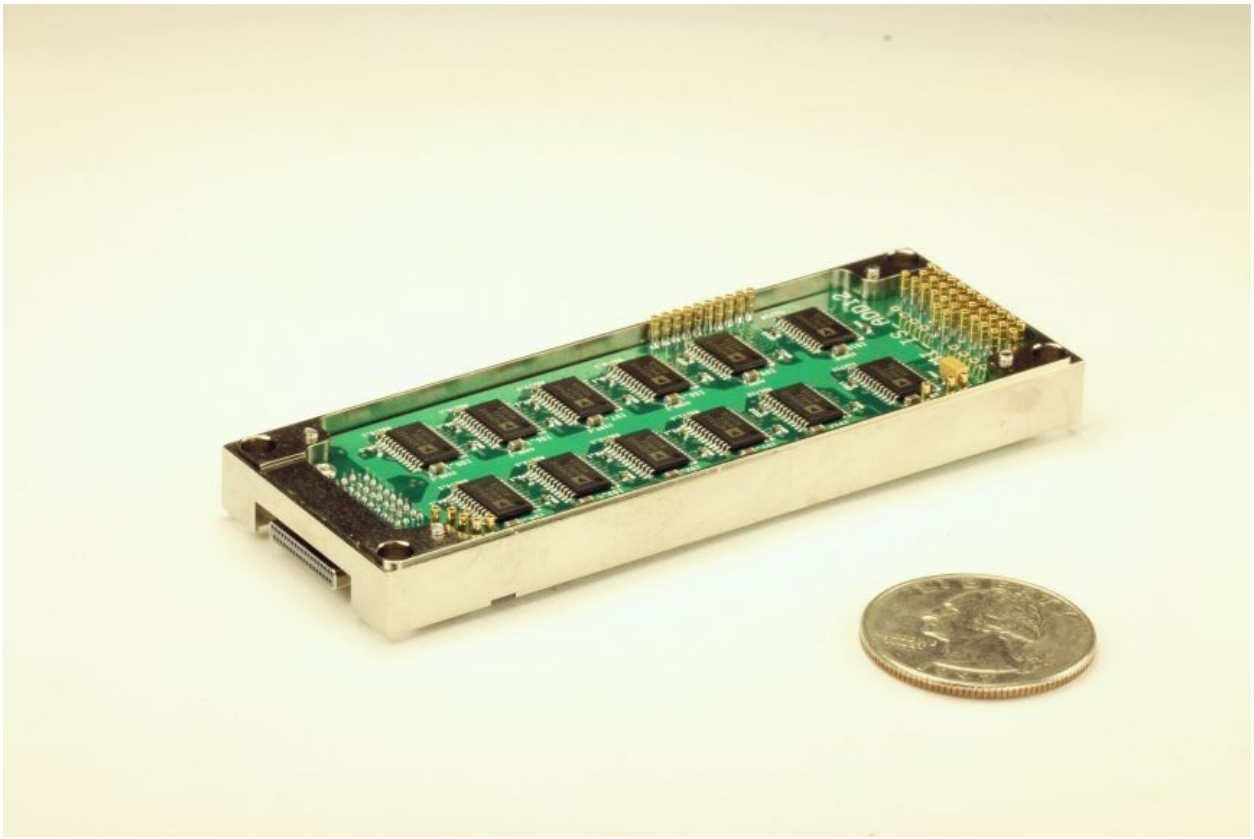
Phone: (215) 441-9303
Fax: (215) 441-9305
www.quadtron.com
Email: quadtron.inc@gmail.com

MICRO PCM ENCODER SERIES

MODEL MI_IS_ADD12

12 CHANNEL ADD ON CURRENT SOURCE MODULE

The MI_IS_ADD12 Module provides 12 current sources for transducers that require current type excitation. Each of the 12 current sources are hi resolution, independently programmable, 0 to 20 milli amp output. The MI_IS_ADD12 module must be placed on top of the MI_IS8 module and increases the number of current sources to 20.



Electrical Specifications:

Current Sources:

Current Source Power: Power to the current sources is input at the front connector. Current source compliance voltage is up to power input voltage minus 2.5 volts. The power input voltage can range from 10.8 volts to 40 volts. For example if the 12 current sources are powered by 28 volts, then all 12 current sources can have independent compliance voltages from 0 up to 25.5 volts.

Current Source Programmability: 4096 possible settings from 0 to 20 milli amps.

Current Source Accuracy: +-0.01% FSR typical error.

Current Source Temperature Accuracy: +- 3 ppm/degree C output drift

Environmental:

Operating Temperature:	-40°C to +85°C
Storage Temperature:	-55°C to +125°C
Humidity:	Relative humidity of 85% for two hours at 65°C.
Altitude:	Unlimited
Vibration:	20g's RMS from 5 to 2000Hz in each major axis.
Acceleration:	Constant acceleration of 100g's in each axis.
Shock:	100g's for 10m second in each major axis.

Mechanical:

Size:

	inches	mm
Length	3.50	88.9
Width	1.25	31.75
Height	0.291	7.39

Weight: 27 g

Engraving: MI_IS_ADD12

MI_IS_ADD12 PINOUT:

J1 CONNECTOR : AIRBORN, NK-2E2-037-325-TH00

MATE: AIRBORN, NM-222-037-261-JCAC

PIN	FUNCTION	PIN	FUNCTION
17	IS9	16	IS10
19	IS9_AC	18	IS10_AC
34	IS11	35	IS12
36	IS11_AC	37	IS12_AC
1	IS13	2	IS14
3	IS13_AC	4	IS14_AC
20	IS15	21	IS16
22	IS15_AC	23	IS16_AC
11	IS17	12	IS18
9	IS17_AC	10	IS18_AC
31	IS19	30	IS20
29	IS19_AC	28	IS20_AC
5	AGND	6	IS_PWR
7	AGND	8	IS_PWR
15	AGND	14	IS_PWR
24	AGND	25	IS_PWR
26	AGND	27	IS_PWR
32	AGND	33	IS_PWR
13	NC		