

Integra Series Module Selector Guide



This selector guide may prove helpful in identifying the best module for a specific application. Install up to two modules at a time in the Model 2700 mainframe or five at a time in the Model 2750 mainframe.

Module	# Analog Inputs	Configuration	2-Pole	4-pole	Type of Connector	Max. Voltage	Max. Switched Current	Switch Speed	Other	Optional Accessories
7711 		2GHz Dual 1x4 Multiplexer	Insertion Loss 1.0dB	VSWR 1.2	Crosstalk -55dB	SMA	60V	0.5A	< 10 ms	7712-SMA-1 S46-SMA-0.5, -1 7712-SMA-N 7711-BNC-SMA 7051-2, -5, -10
7712 		3.5GHz Dual 1x4 Multiplexer	1.1dB	1.45	-50dB	SMA	42V	0.5A	< 10 ms	7712-SMA-1 S46-SMA-0.5, -1 7712-SMA-N
7700 	20	Multiplexer w/CJC	1 × 20 or two 1 × 10	1 × 10	Screw terminals	300V	1A	< 3 ms	Automatic thermo- couple linearization. 2 current measurement channels @ 3A.	7401 TC wire kit
7701 	32	Multiplexer	1 × 32 or two 1 × 16	1 × 16	D-sub (IDC)	150V	1A	< 3 ms	32 channels of common- side 4-wire ohms	7789 7790 7705-MTC-2 7707-MTC-2
7702 	40	Multiplexer	1 × 40 or two 1 × 20	1 × 20	Screw terminals	300V	1A	< 3 ms	Maximum power = 125VA. 2 current measurement channels @ 3A.	
7703 	32	Multiplexer	1 × 32 or two 1 × 16	1 × 16	D-sub (solder or crimp)	300V	500mA	< 1 ms	Reed relays	7788 7705-MTC-2

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Module	# Analog Inputs	Configuration	2-Pole	4-pole	Type of Connector	Max. Voltage	Max. Switched Current	Switch Speed	Other	Accessories
 7705	NA	40 channel independent SPST	N/A	N/A	D-sub (solder or crimp)	300V	2A	< 3 ms	Software programmable for SPDT (Form C)	7788 7705-MTC-2
 7706	20	Multiplexer w/CJC + Analog Output + Digital Outputs + Counter/Totalizer	1 × 20 or two 1 × 10	1 × 10	Screw terminals	300V	1A	< 3 ms	Two ±12V analog output channels & 100kHz event counter/totalizer plus 16 Digital Out	7401 TC wire kit
 7707	10	Digital I/O + Multiplexer	1 × 10 or two 1 × 5	1 × 5	D-sub (IDC)	300V	1A	< 3 ms	32 Digital I/O Four 8-bit I/O ports w/short circuit Protection (33V, 100mA)	7789 7790 7705-MTC-2 7707-MTC-2
 7708	40	Multiplexer w/CJC	1 × 40 or two 1 × 20	1 × 20	Screw terminals	300V	1A	< 3 ms	Automatic thermocouple linearization	7401 TC wire kit
 7709	48	6 × 8 Matrix	Yes	Yes	D-sub (IDC)	300V	1A	< 3 ms	Connects to internal DMM. Daisy chain multiple cards to create larger matrix	7789 7790 7705-MTC-2 7707-MTC-2

Note: All modules can be disconnected from internal DMM for routing external signals. Refer to the Model 2750 or Model 2700 technical data book for additional information.

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