

Integra Series Module Selector Guide



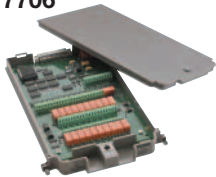

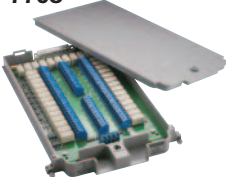


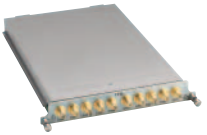
This selector guide may prove helpful in identifying the best module for a specific application. Install up to two modules at a time in the Model 2700 and Model 2701 mainframes or five at a time in the Model 2750 mainframe.

Module	# Analog Inputs	Configuration	2-Pole	4-pole	Type of Connector	Max. Voltage	Max. Switched Current	Switch Speed	Contact Life	Other	Optional Accessories
 NEW!	20	Solid-State Multiplexer w/CJC	1x20 or two 1x10	1x10	Removable screw terminals	60V	0.1A	<0.5ms	>10 ¹⁰	Automatic TC linearization. 500 ch/s scanning.	7401 TC wire kit
	20	Multiplexer w/CJC	1x20 or two 1x10	1x10	Screw terminals	300V	1A	< 3 ms	>10 ⁹	Automatic thermocouple linearization. 2 current measurement channels @ 3A. Now with 50Mhz Bandwidth	7401 TC wire kit
	32	Multiplexer	1x32 or two 1x16	1x16	D-sub (IDC)	150V	1A	< 3 ms	>10 ⁹	32 channels of common-side 4-wire ohms	7789 7790 7705-MTC-2 7707-MTC-2
	40	Multiplexer	1x40 or two 1x20	1x20	Screw terminals	300V	1A	< 3 ms	>10 ⁹	Maximum power = 125VA. 2 current measurement channels @ 3A.	
	32	Multiplexer	1x32 or two 1x16	1x16	D-sub (solder or crimp)	300V	500mA	< 1 ms	>10 ⁹	Reed relays.	7788 7705-MTC-2
	N/A	40 channel independent SPST	N/A	N/A	D-sub (solder or crimp)	300V	2A	< 3 ms	>10 ⁹	Software programmable for SPDT (Form C)	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	Contact Life	Other	Optional Accessories	
 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	>10 ⁸	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	>10 ⁸	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	>10 ⁸	Automatic thermocouple linearization.	7401 TC wire kit	
 7709	48	6×8 Matrix	Yes	Yes	D-sub (IDC)	300V	1A	< 3 ms	>10 ⁸	Connects to internal DMM. Daisy chain multiple cards to create larger matrix.	7789 7790 7705-MTC-2 7707-MTC-2	
 7711												
			Insertion Loss	VSWR	Crosstalk	SMA	60V	0.5A	< 10 ms	>10 ⁶		7712-SMA-1 S46-SMA-0.5, -1 7712-SMA-N 7711-BNC-SMA 7051-2, -5, -10
	2GHz Dual 1×4 Multiplexer	1.0dB	1.2	-55dB								
 7712												
						SMA	42V	0.5A	< 10 ms	>5×10 ⁶		7712-SMA-1 S46-SMA-0.5, -1 7712-SMA-N
	3.5GHz Dual 1×4 Multiplexer	1.1dB	1.45	-50dB								

Note: All modules can be disconnected from internal DMM for routing external signals. Refer to the Integra Series technical data book for additional information.

Specifications are subject to change without notice.

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