

Optimized Signal Channel Count for Slip Rings Using Spinning Amplifiers

10 Channel Slip Ring Assembly*

	350 OHM BRIDGE		120 OHM BRIDGE		THERMOCOUPLES
	5 VDC EXCITATION	10 VDC EXCITATION	5 VDC EXCITATION	10 VDC EXCITATION	N/A
+ 15 V	1	1	1	1	1
- 15 V	1	1	1	1	1
Power Common	1	1	1	1	1
Calibration Control	1	1	1	1	N/A
Signal Common	1	1	1	1	1
Signal Channels	5	5	5	5	6
Current in Each Power Ring (mA)	150	225	300	500	100

20 Channel Slip Ring Assembly*

	350 OHM BRIDGE		120 OHM BRIDGE		THERMOCOUPLES
	5 VDC EXCITATION	10 VDC EXCITATION	5 VDC EXCITATION	10 VDC EXCITATION	N/A
+ 15 V	1	1	1	1	1
- 15 V	1	1	1	1	1
Power Common	1	1	1	1	1
Calibration Control	1	1	1	1	N/A
Signal Common	1	1	1	1	1
Signal Channels	15	15	15	15	17
Current in Each Power Ring (mA)	150	225	300	500	100

36 Channel Slip Ring Assembly*

	350 OHM BRIDGE		120 OHM BRIDGE		THERMOCOUPLES
	5 VDC EXCITATION	10 VDC EXCITATION	5 VDC EXCITATION	10 VDC EXCITATION	N/A
+ 15 V	1	2	2	3	1
- 15 V	1	2	2	3	1
Power Common	1	1	1	1	1
Calibration Control	1	1	1	1	N/A
Signal Common	1	1	1	1	1
Signal Channels	31**	29**	29**	27**	32
Current in Each Power Ring (mA)	930	650	840	900	480

* Slip Ring assembly limit: 1 Amp per circuit connection

** Requires more than one Amplifier Control Unit (PS-DC).

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