

## Optimized Signal Channel Count for Slip Rings Using Spinning Amplifiers

### 10 Channel Slip Ring Assembly\*

	350 OHM BRIDGE		120 OHM BRIDGE		THERMOCOUPLES
Excitation (VDC)	5	10	5	10	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
Excitation (VDC)	5	10	5	10	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

### 36 Channel Slip Ring Assembly\*

	350 OHM BRIDGE		120 OHM BRIDGE		THERMOCOUPLES
Excitation (VDC)	5	10	5	10	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-1.0 V2).

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