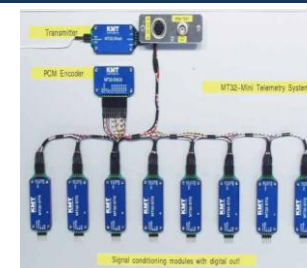


Overview of rotating digital telemetry systems for rotating applications:



	TEL1-PCM-IND	TEL1-PCM-BATT	TEL1-PCM-HS-BATT	MT1-PCM	MT32-PCM
A/D	12bit	12bit	12bit	12bit	12bit
Modulation	PCM	PCM	PCM	PCM	PCM
Transmission	Inductive	Inductive	Inductive	Radio 433 or 868MHz	Radio 433 / 868MHz or inductive tx
Transmission distance	25mm (option 35mm)	150mm	150mm	up to 10m	up to 10m (100mm IND)
Powering of rotor	Inductive	Battery 6-9V Optional add. Inductive!	Battery 6-9V Optional add. Inductive!	Battery 6-9V Optional add. Inductive!	Battery 6-9V Optional add. Inductive!
Channel number	1	1	1	1	2-32
Static Acceleration	3000g	1000g depends of Battery	1000g depends of Battery	1000g depends of Battery	3000g only at inductive power
Signal conditioning for	STG, TH-K (J,T)	STG, TH-K (J,T)	STG, ICP, VOLT	STG, TH-K (J,T)	STG, TH-K, Volt, ICP, 4-20mA
Auto Zero	Yes, 2000% over range	Yes, 2000% over range	Yes, 2000% over range	Yes, 2000% over range	Yes, 80% over range
Remote Auto Zero (AZ)	Yes	Yes	Yes	Yes	No
Remote* GAIN	Yes	Yes	Yes	Yes	No
Gain	250-500-1000-2000-4000-8000	250-500-1000-2000-4000-8000	250-500-1000-2000-4000-8000	250-500-1000-2000-4000-8000	200-1000 Standard (Opt. 250-500-1000-2000)
Signal bandwidth	0-1200Hz	0-1200Hz	0-50000Hz	0-500Hz	up to 24000Hz (inductive)
Scanning rate per ch.	7500Hz	7500Hz	105000Hz	2000Hz	91428Hz
Water proof rotor	IP65	IP65	No, (only on request)	No, (only on request)	No, (only on request)
Operation temp. rotor	-10 to +80°C	-10 to +80°C	-10 to +80°C	-10 to +80°C	-20 to +80°C
Max. diameter (mm)	1000	1000	1000	1000	5000 Radio / 1000 inductive
Size of rotor (mm)	35x18x12	70x18x7 or 35x18x12	62x27x13	62x27x13 each modules (2)	62x27x13 each modules
Outputs	+/-10V, PCM	+/-10V, PCM	+/-10V, PCM	+/-10V, PCM	+/-5V, PCM
System accuracy	+/-0.2%	+/-0.2%	+/-0.2%	+/-0.2%	+/-0.25%