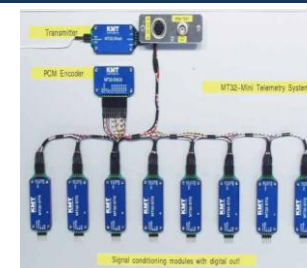


# Overview of rotating digital telemetry systems for rotating applications:



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