



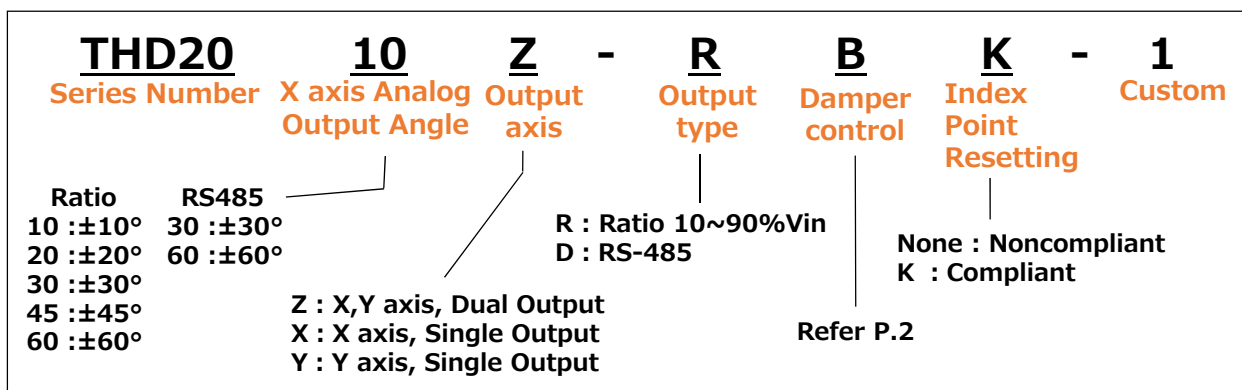
Selection Guide of THD2000Z



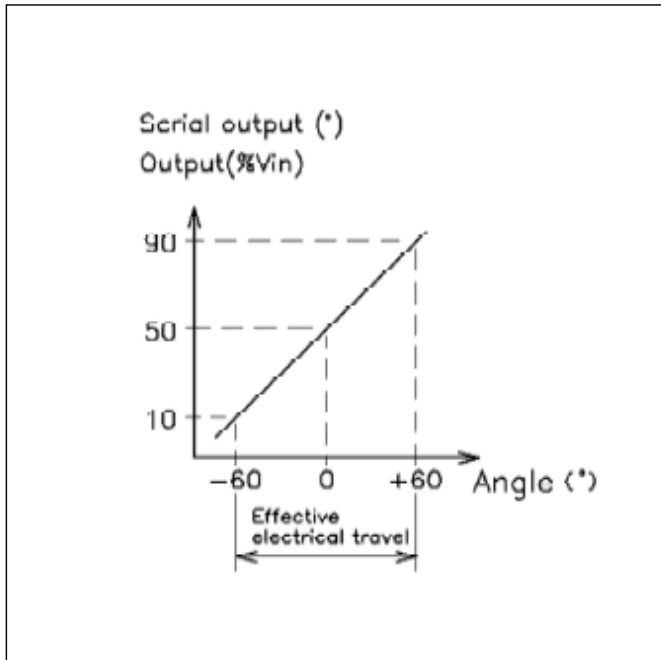
It can be selected from many variation for your suitable applications

Subject		Specification		
Basic Characteristics	Dimension/Mass	Φ40×H10mm / 15g approx.		
	Effective Elect. Travel	±10°, ±20°, ±30°, ±45°, ±60° Separate choice of X and Y axis (Option)	±30°, ±60°	
	Absolute Linearity	±1%FS		
	Input Voltage	DC 5±0.25V		
	Output type	Voltage Ratio	Serial (RS-485)	
Electrical	Output Range	10~90%Vin	—	
	Resolution	12bit equivalent		
	Current Consumption	Steady-state: 20mA	Steady-state: 30mA	
	Temp. Characteristics -30~85°C (25°C Std.)	0°position	±0.2°	
		Tilt Angle	±10° : ±0.7° ±20° : ±1.2° ±30° : ±2.1° ±45° : ±3.6° ±60° : ±6.0°	±30° : ±1.6° ±60° : ±4.4°
Environmental	Category Temp. Range	-30~85°C		
	Vibration	70m/s ² 5~500Hz (10 min.) 2 hours		
	Shock	1,000m/s ² , Half sine wave 6ms 3 axis 3 times		
	EMS	IEC61000-4-3 : Level 3(10V/m)		
	ESD	IEC61000-4-2 : ±16kV		
	IP Rating	IP40		

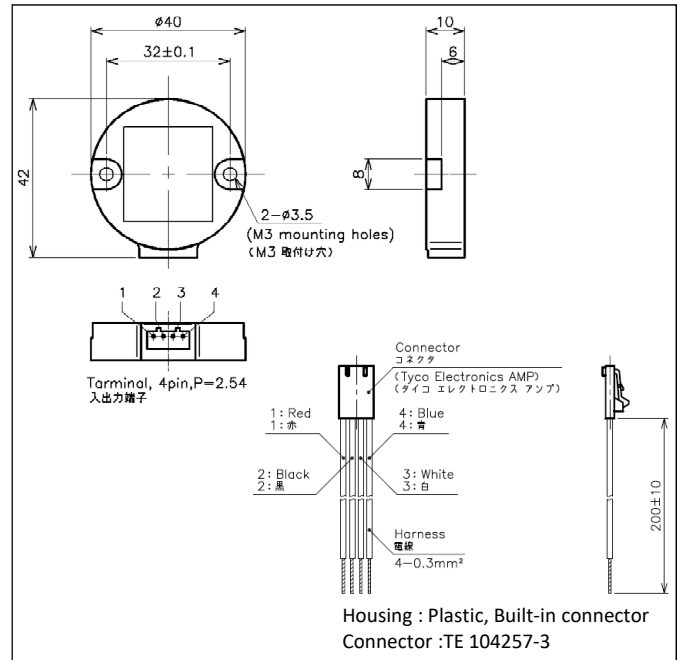
Model Number Designation



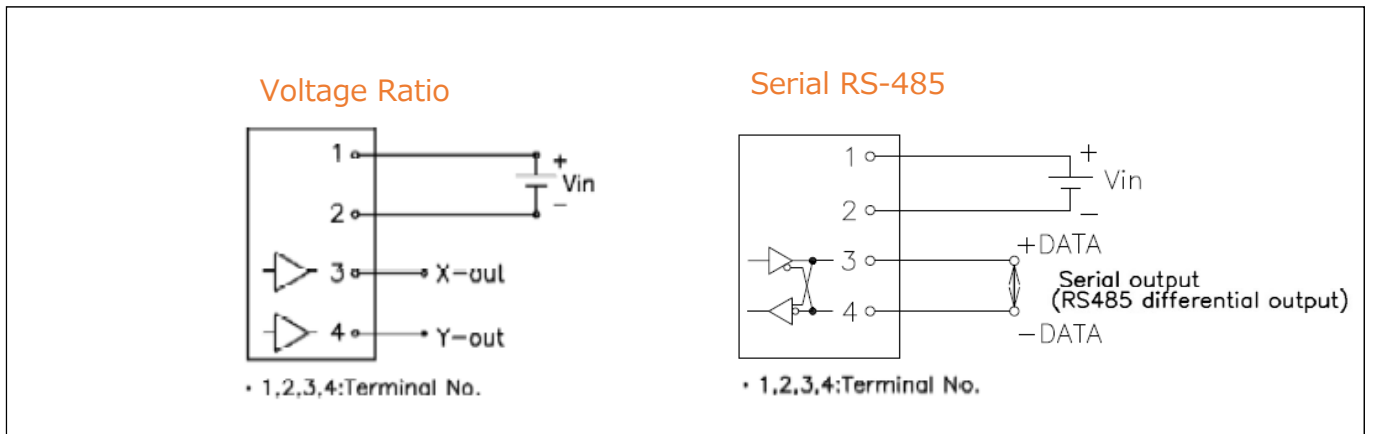
Output Characteristics



Dimension



Schematic



Damper time constant

Part No.	Level	Cut-off frequency	Time constant
D0	0	11.2Hz	120ms
D1	1	9.27Hz	150ms
D2	2	7.65Hz	160ms
D3	3	6.32Hz	170ms
D4	4	5.21Hz	190ms
D5	5	4.30Hz	220ms
D6	6	3.55Hz	250ms
D7	7	2.93Hz	290ms
D8	8	2.42Hz	330ms
D9	9	2.00Hz	360ms
DA	10	1.65Hz	420ms
DB	11	1.36Hz	500ms(Standard)
DC	12	1.21Hz	590ms
DD	13	0.92Hz	700ms
DE	14	0.76Hz	810ms
DF	15	0.62Hz	970ms