



KuSaBa Engineers Pvt. Ltd.

ANALOG SOLID STATE Single/Dual axis Tilt Systems EZ-TILT-7001 single axis EZ-TILT-7002 dual axis



This special all Solid State Analog Vdc output tilt modules are built around customized state of the art CMOS components. In a single (7001) and dual axis (7002) versions it provides an economical and reliable tilt sensing solution for applications requiring superior Mid-Wide range LINEARITY, resolution, repeatability and symmetry. Rugged **all weather** construction make it perfectly suitable for numerous Mid-Wide range high precision OEM, military, medical, optical, automotive, range finder, alignment, automation, robotics and construction angle measurement applications. Innovative design and small size facilitate uncomplicated wall mounting.

Specifications:

Range:	90 ⁰ to +90 ⁰ (arcdeg)	monotonous max 2 axis
Output:	0.5---4.5 (Vdc)	DC full range ratiometric
Null Output:	2.5 (Vdc)	½ supply ratiometric
Null offset:	0.1 (arcdeg)	max deviation
Repeatability:	< 0.1 ⁰ (arcdeg)	Typical
Sensitivity:	35 (mV/arcdeg)	
Cross axis sensitivity	3 (%)	range max
Output Load:	R 10(Kohm)	Minimum
Output Load:	C 20 (nF)	Maximum
Linearity:	+20 mg	relative to straight line 1g
Frequency response	17-19 (Hz)	Typical
Supply voltage:	7---15Vdc @ 5mA (Vdc)	5Vdc available
Temperature:	-40 ⁰ C to +100 ⁰ C (deg C)	Operational
Construction:	Alumina Disc 1.8”diam x 0.8” thick, sealed	
Mounting:	Vertical or Horizontal, upon custom request.	
Wiring: RED	7-15 Vdc (5 Vdc optional)	
4 wires BLACK	GND common WHITE ROLL Vdc GREEN PITCH Vdc (dual axis 7002 version)	

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