東横化学

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Without contacting the liquid, Toyoko LEVEL SENSOR can detect anyliquid in the tube by a sharp focus of the opto-electronic method, showing the border position of the surface of the liquid. Then TK Level Sensor provides fine liquid level detection at lowest cost. Mounting and setting procedure is very simple.

TK series are photoelectric type sensors that detect if there is Liquid or not, in the transparent or semi-transparent tube from outside.

TK series sensors are very easy to use and no skill is required.Mounting and setting are verysimple.

TK series sensors do not cause the contamination for the clean and purified liquids, because thesensors do not contact with the liquid inside of the tube at all.

TK series sensors can be used for acids, alkalis and even solvents regardless of its color, viscosity,and static-electrical characteristics as the physical natures.

TK-010N2-S1 model is specifically designed to use for the slurry solution, by its unique nature of strong light-reflecting intensity.
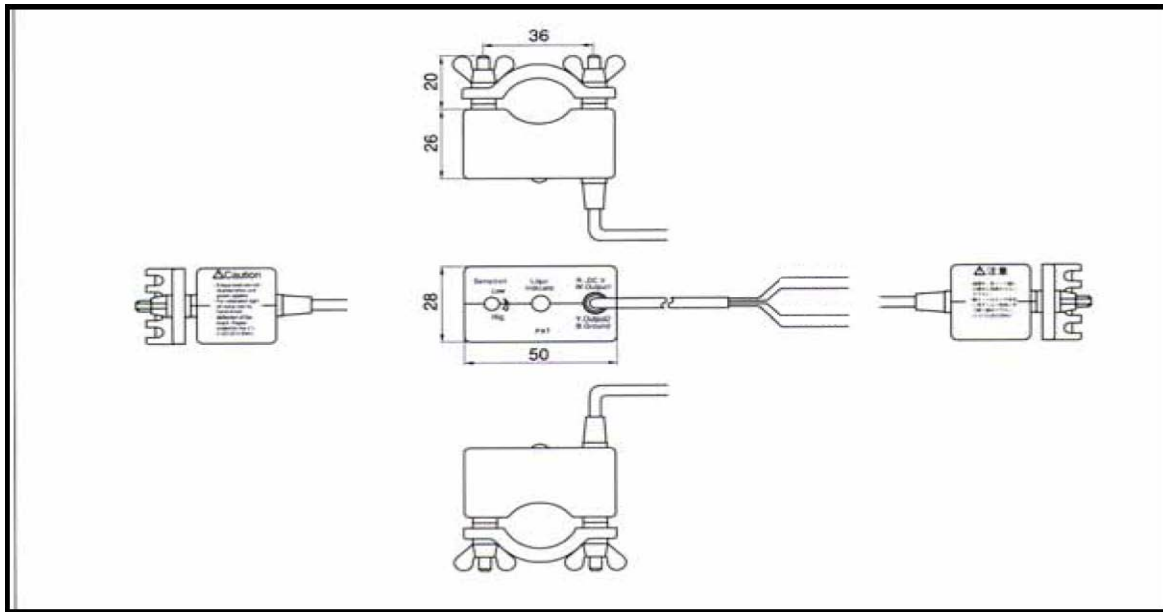
■ Dimensions

■ Specifications

Model		TK-010N2, TK-010N2-S1	
Voltage, Power		24V DC±10%	
Power Consumption		45mA or below	
Applicable Tube Out Diameter	TK-010N2	6mm ~ 25.4mm (0.24" ~ 1")	
	TK-010N2-S1	12mm ~ 25.4mm (0.47" ~ 1")	
Detecting method		Infrared opto-electronic method	
Output		NPN Transistor Open Collector, Max 50mA, 2 opposite signals	
Ambient Temperature		-10 ~ 60℃ (14 ~ 140ºF)	
Adjusting Sensitivity		To make it fit with tube thickness, material, etc. Simply rotate a trimmer, within several seconds job.	
Water Protect		Silicone stuffed	
Material	Case	Poly-carbonate	
	Bracket		
	Nut		
Cable		3.8mm(0.15") out diameter, 4-wire	
	TK-010N2	2m(6.6ft) long	
	TK-010N2-S1	3m(9.9ft) long	
Weight		approx 100g(3.5oz)	
LED Indicator		Red: Liquid exist, Green: Empty	