NEW!

ROHS

ACCENT

AKUSENSE ETD-2012 War Wark ( Construction)

Detection method		Through-beam laser measuring (CMOS mode)
Detection range		Edge detection mode ± 6mm Diameter detection mode 12mm
Setting distance		0 ~ 400mm
Light source		Red semiconductor laser level 1
Laser class		Class 1
Minimum detectable object		0.5mm(When setting a distance of 500mm)
Repeatability		1µm(When setting a distance of 20mm) 2.5µm(When setting a distance of 100mm) 5µm(When setting a distance of 500mm)
Linear accuracy		$\pm 0.12\%$ F.S.(When setting a distance of 20mm) $\pm 0.28\%$ F.S.(When setting a distance of 100mm)
Analog output	Voltage	Output range: 0V~5V (+5.2V during alarm), output impedance: 100 $\Omega$
	Current	Output range: 4mA~20mA (alarm: 0mA), load: less than 300 $\Omega$
Communication		485 communication hexadecimal
Measurement mode		Auto Edge Mode, Edge Mode, ID/Gap Mode, Width/Diameter Mode
Ambient tempera- ture	Operation temperature	$-10 \sim +45^{\circ}$ C(No freezing, No condensation)
	Storage temperature	−20~+60°C
Ambient humidity	Operation humidity	35~85%RH
	Storage humidity	35~85%RH
Voltage		DC12~24V ± 10%
Current consumption		Emitting: 10MA or less ( DC24V ) Receiving: 70MA or less ( DC24V )
Insulation		Above 20M $\Omega$ under DC250V megohmmeter (between all terminals and shell)
Pulse resistance		Durable 500m/s , 3 times each in X,Y,Z three directions.
Anti-vibration		Durable 10 ~ 55Hz complex amplitude 1.5mm, 2 hours each in X,Y,Z three directions
Ambient illumination		Incandescent lamp: the illuminance of the light-receiving surface is below 5,000lux
Temperature drift		± 0.03% F.S./°C
Anti-jamming		Anti-light interference, anti-electromagnetic interference, side by side installation
Indicator light		Emitter (laser emission indicator green) Receiver (optical axis adjustment light green, judgment output light red)
Protection degree		IP50
certification		CE, ROHS, REACH certification
Shell		Aluminum alloy metal shell
Outgoing way		Receiver:5-core composite cable 2m Emitter: 2-core cable 2m
Model		ETD-0612



## **AKU**SENSE

## Circuit diagram

