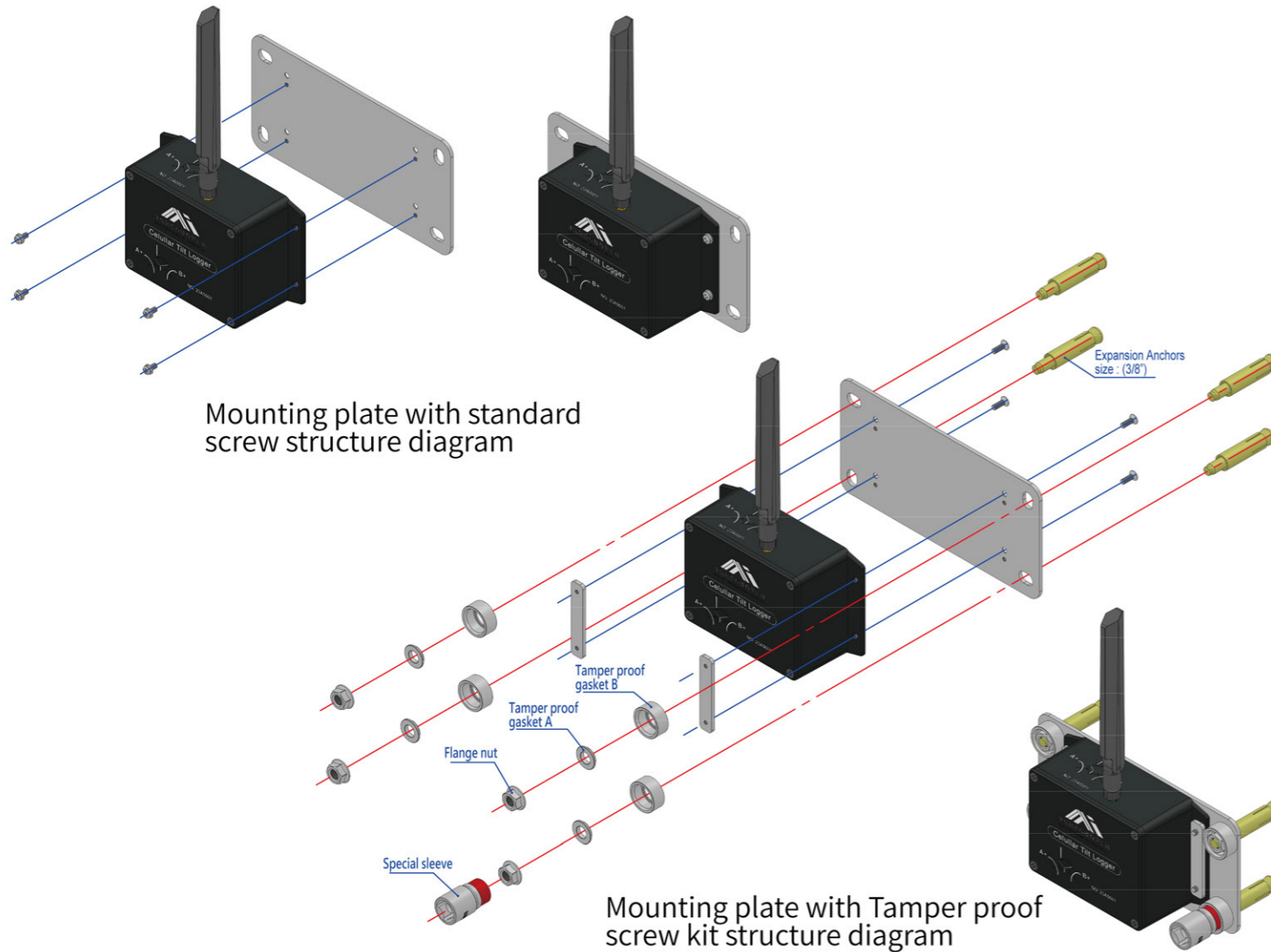


Mounting Plate & Tamper Proof Screw Kit Structure Diagram

Optional



Mounting plate with standard screw structure diagram

Mounting plate with Tamper proof screw kit structure diagram

KS GEOLINK

Optional



The software will efficiently save the tilt data for further analysis purpose

SW	—	GEO
Software	—	Model Number
SW	—	KS GEOLINK Analysis Software
GEO	—	



康信創意科技有限公司

Creative Maintenance Technology Co., Ltd.

CTL Series

Cellular Tilt Logger



Horizontal Installation

Vertical Installation

Summary

CTL Series is a low energy , low cost and robust tiltmeter. It measures tilt in two perpendicular axes in the plane base and is intended to be permanently installed to provide long term observation with maximum sensitivity and resolution. The collected data can be sent to cloud via NB-IoT or LTE-M , and the power source can be either from lithium battery or solar panel. All the electronics are covered in IP67 housing for environmental protection , and it is typically bolted to the structure via the mounting plate and tamper proof screws.

Features

- Equipped with high accuracy MEMS accelerator
- 2 axes data output , and the angle accuracy is within $\pm 0.002^\circ$ (15°)
- Dual communication interface (Bluetooth & USB)
- LED light indicator
- IP67 dust and water resistance
- Low energy , suitable for long term observation
- Low cost and efficient power supply by solar Panel
- The collected data can be sent to cloud via NB-IoT or LTE-M
- The housing is painted with weather & correction-resistant paint for environmental protection purpose
- Impact , robust and easy install
- Tamper proof screws kit keep your device safe

Applications

- Wind turbine tower , power transmission and distribution tower tilt monitoring
- Building structure , retaining and building walls tilt monitoring
- Bridge pier , landslide monitoring
- Building safety along adjacent excavations monitoring
- Ground subsidence monitoring
- Oil depot and storage tanks and chemical barrel tanks tilt monitoring
- Tilt monitoring of water dams and concrete dams



康信創意科技有限公司
Creative Maintenance Technology Co., Ltd.

13F., No. 953, Zhongzheng Rd., Zhonghe Dist., New Taipei City 23544, Taiwan
TEL : (02) 2659-8339
FAX : (02) 2659-8389



www.kscm-tech.com



Facebook

Application Field



Hillside Building Structure Wind Turbine Tower Excavation Site Oil Depot & Chemical Barrel Concrete & Water Dams Bridge Pier

Ordering Information

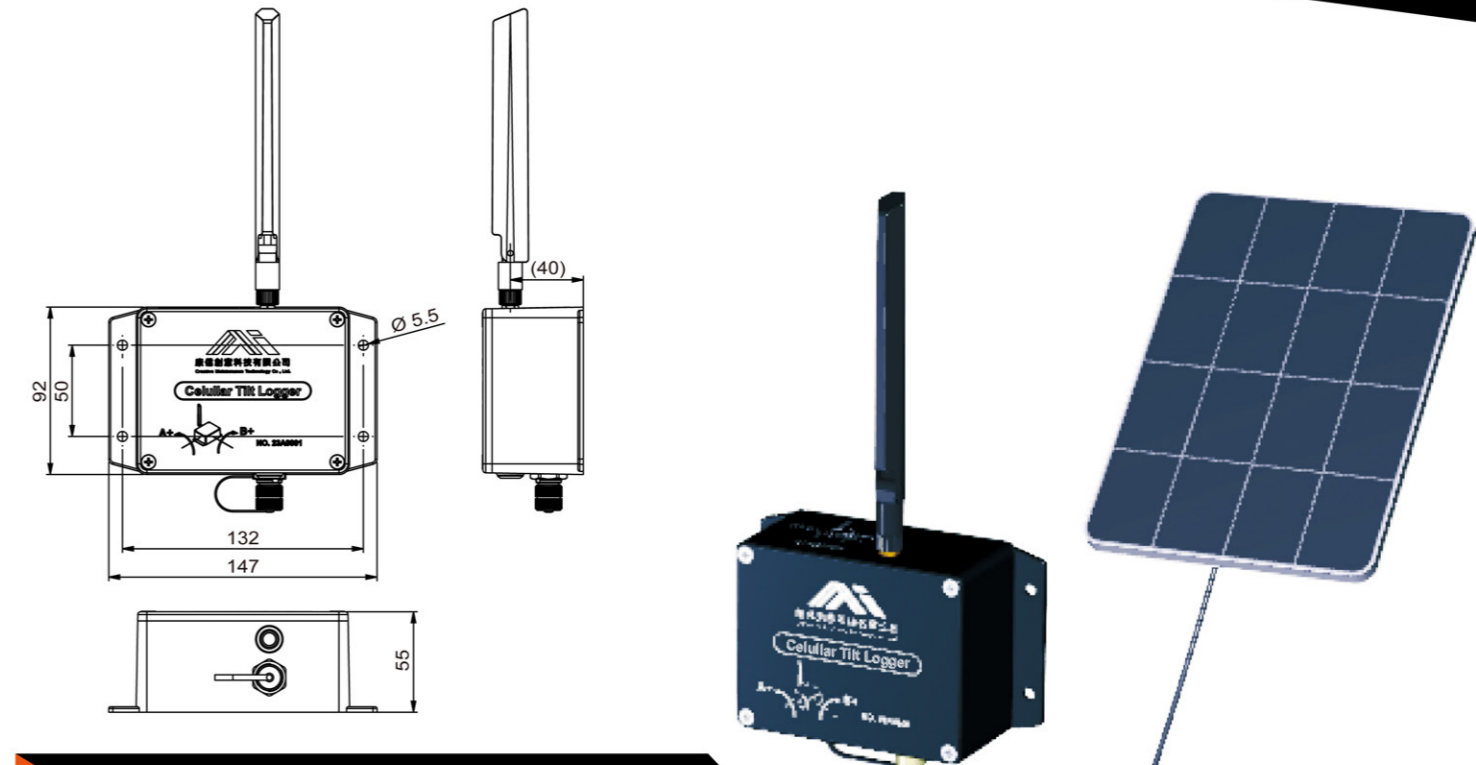
CTL	—	NB	—	90	—	L	—	BA
Series	Model		Measurement Range		Power Supply		Optional	
CTL	NB	NB-IoT	15	±15°	L	Li-ion Battery	B	Mounting plate
	LTE	LTE-M	90	±90°	S	Solar panel	A	Tamper proof screws Kit
							BA	B + A
								None

Specification

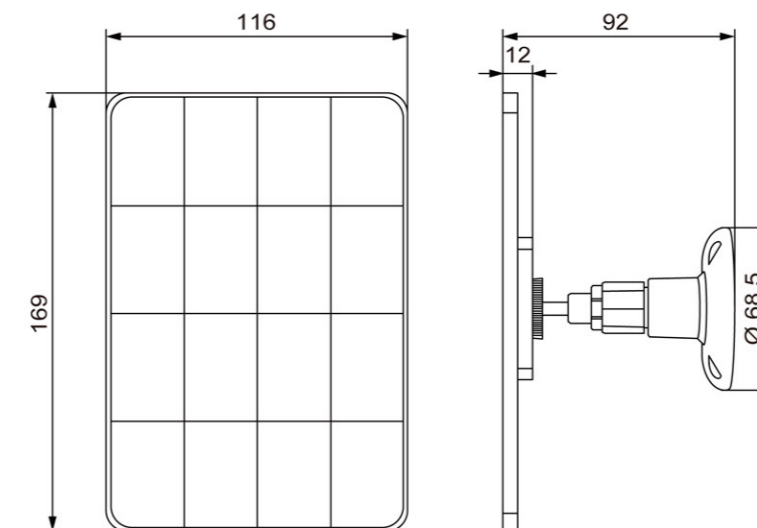
CTL
Cellular
Tilt Logger

Measurement Range	±15° , ±90°	
Resolution	±0.0001°	
Accuracy	±0.002°	
Temp. Influence Deviation Value	±0.002° / °C	
Sample Time	Min : 2 min , Max : 1440 min (1 Day)	
Axes	2 Axes	
Storage	512KB Flash Memory	
Measure Temp. & Accuracy	-20 ~ +80 °C , The Inbuild Thermometer Accuracy Is ±0.3°C	
Communication Interface	NB-IoT , LTE-M	
Communication Protocol	MQTT	
User setting interface	Bluetooth , USB	
Power supply	DC 3.6V 13500 mAh D-size Replaceable Li-ion Battery	5V / 5W Monocrystalline Silicon Solar Panel
Installation method	M4 Screw Fixing	
Dimension W X D X H	147mm x 92mm x 55mm (Without Aerial)	
Appearance	Aluminium Alloy Painted In Black	
Weight	635g ±5% (Without Aerial)	
Working Temperature	-20 ~ +80 °C	
Storage Temperature	-20 ~ +85 °C	
Working Humidity	0 ~ 95%	
Water & dust Resistant	IP67	
Mounting plate	Stainless Steel , Thickness : 3mm	
Tamper proof screws kit	Stainless Steel	

Outline Dimension



Solar Panel Outline Dimension



Mounting Plate Outline Dimension

Optional

