

iAngle Mobile Application Software



Vigor Technology

iAngle Mobile Application Software

Features

- Run on Apple® iPhone® iPad® devices
- Support above IOS5.X operation system
- Friendly, aesthetic, humanization HMI
- Flexible system parameter setting to SST inclinometer
- Graph, analog-meter, bubble chart etc display forms
- Remote data collection, display, alarm
- Realizable for sensor command configuration



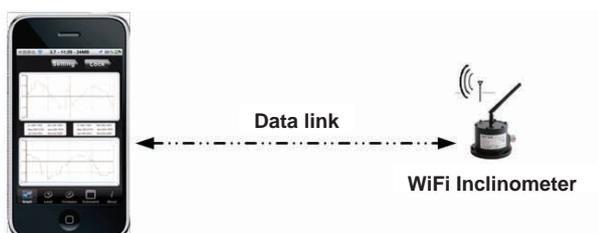
Description

iAngle mobile application software running on the Apple® iPhone® platform, is the first professional one which connect tilt sensor to Apple mobile terminals via Wi-Fi Wireless.

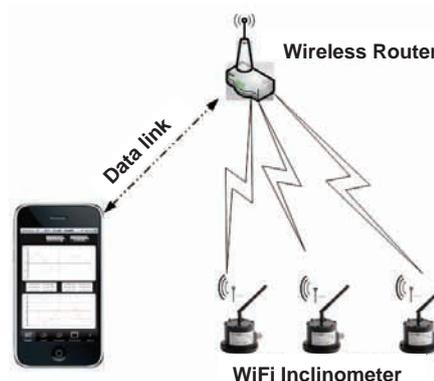
The iAngle together with Wi-Fi inclinometer of Vigor can be built to a wireless tilt measurement system, support to remote measurement, transmission, acquisition and analysis in industrial environment. This system achieve the perfect combination to play to their respective advantages with commercial smart terminal and industrial professional products. It has the following salient features:

- ✓ The iAngle absorbing and playing a good user feeling with iPhone platform, the entire system is running smoothly, flexible operation, to meet the requirements of the industrial field of high-performance data acquisition and display. The iAngle absorbing and playing a good user feeling with iPhone platform, the entire system is running smoothly, flexible operation, to meet the requirements of the industrial field of high-performance data acquisition and display
- ✓ Through integration with Vigor's high performance Wi-Fi inclinometer, it has safe, reliable, long-distance data transmission capacity (see picture 1)
- ✓ Through system integration with iPhone, succeeded in getting rid of the shackles of the power supply, mouse, and keyboard. it can inspect and acquire data of the inclinometer, especially suitable for project supervision, installation and commissioning of equipment on the site and other occasions.
- ✓ This software access to one sensor data, also may access to multi-inclinometers, achieve to a terminal equipment can query one or more sensor data (see picture 2)
- ✓ With wireless technology, breaking the traditional concept of electronic spirit levelmeter, with minimal cost to achieve to tilt detection or analysis remotely
- ✓ Can extend other languages according to users need, applicable to different countries and regions

iAngle+ mobile applications software application diagrams as:



Picture 1 Access to one Wi-Fi Inclinometer



Picture 2 Multi-channel switching access diagram

Main Functions

Table 1 Main functions

Item	Description
Real-time data display	Real-time dynamic display measured tilt angle
Real-time data graph	Graphed in real time Automatic calculation maximum, minimum, variance, standard deviation Lock curve function to suspend the real-time curve, to facilitate data
Real-time analog-meter	The analog-meter pilot display real-time X/Y axis angle display range: ± 180 degrees lock data function
Bubble chart display	X/Y axis angle display real time, synthesis display tilt angle, display range: ± 90 degrees lock data function
Over-range alarm	Positive and negative directions over-range alarm settings. Over-range warning line, played the role of auxiliary observation.
Parameter setting	Set the curve coordinate range, curves color, alarm point etc parameters
Debug command	To adjust inclinometer parameters Allows manually enter command, to display results of command implementation

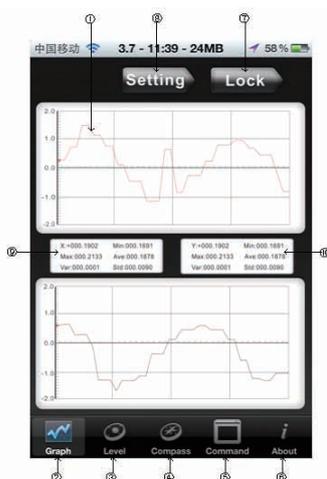
Applications

Civil engineering: Monitor excavation or non-excavation construction data, structures status data

Industrial equipment: Monitor equipment status data, equipment installation process, device control process

Test and measurement field: Monitor laboratory equipment data, dangerous places data, Levelness data

iAngle interface description



Picture 3 Main interface(real-time graph)

Table 2 iAngle interface description

Marking explanation	
No.	Description
1	Real-Time Graphic display
2	Graph pilot
3	Bubble pilot
4	Analog-meter pilot
5	command debug
6	Additional information
7	Graph lock
8	display Settings
9	X-axis real-time data display area
10	Y-axis real-time data display area

Technical parameters

Table 3 Technical parameters

iAngle Mobile application software	
Sensor	Applicable SST series inclinometer with WIFI interface
Communication distance	Open geographical maximum support 200 meters
Operating system	IOS5.X or higher
Hardware environment	iPhone® series, iPod Touch® series, iPad series iPhone4 iPhone4S iPod Touch4
Resolution	480×320, 960×640

Ordering

Items	Descriptions
SST003-04-10-01	iPhone® series application iAngle
SST003-04-10-02	ipad® series application iAngle+

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