



Figure 1. Top View of TS-6423-R03-485-DIS220 Kit

This kit includes a dual axis inclinometer (TS-6423-R03-485), a connecting cable (1.5-meter length) and a display (DIS220).

Inclinometer is calibrated, and output is RS485 type with Modbus protocol connected to display.

## INCLINOMETER FEATURES

- Dual Axis Inclination Measurement
- Resolution: 0.001°
- Power Supply: 9-36V
- Size: 2.165 × 1.46 × 0.94 (inch)  
55 × 37 × 24 (mm)
- Highest Accuracy: 0.01°
- Measurement Range: ±90°
- Output: RS485 for optional Modbus
- IP67 Protection Level

For more details of the inclinometer, please refer to complete datasheet of TS-6423-R03-485



## DISPLAY FEATURES

- LCD screen: 7" TFT
- Backlight: led
- Display colors: 65535 True Color
- Operating temperature: 0°C ~ +45°C
- Supply voltage: 24±20% VDC

## DISPLAY INTRODUCTION

The display is a set of inclination sensors that can be connected to and is professionally used to display the relative.

The system is based on an advanced Cortex -A8 CPU (clocked at 600 MHz), using a 7-inch high-brightness TFT

LCD display (resolution 800 ×480). Embedded configuration software (runtime version) is also pre-installed with

strong image display and data processing functions.

<b>Product Features</b>	Resolution	800 ×480
	Display brightness	200 cd/m <sup>2</sup>
	Rated power	5W
	Processor	ARM 9, 400 MHz
	Memory	64M
	System storage	128M
<b>Physical Properties</b>	Panel size	226.5 ×163 (mm)
	Cabinet opening	215.5 ×152 (mm)
	Housing material	Industrial plastics
<b>Certification</b>	Product certification	CE/FCC
	Protection level	IP65
	Electromagnetic compatibility	Industrial level three

Table 1. Performance Indicators