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产品标题 (6-10 单词) :

WBGT Index Meter/Heat stress monitor

短描述内容部分 (产品的核心描述) :

WBGT is composed of three parts of temperature sensors: wet bulb, black bulb and dry bulb. It comprehensively considers four factors: air temperature, wind speed, air humidity and radiant heat.

JT2011 and JT2013 are high-precision thermal index test instruments independently developed by "JANTYTECH Technology", which can test air temperature, wet bulb temperature and radiation temperature at the same time. This tester adopts the most advanced digital temperature sensor as the temperature acquisition terminal, equipped with the standard 50mm and 150mm radiation black ball independently developed by our company, which fully complies with ISO and relevant national standards, and can pass the verification of the National Institute of Metrology.

产品详情页内容部分:

标题一 Product introduction

JT2011 and JT2013 are high-precision thermal index test instruments independently developed by "JANTYTECH", which can test air temperature, wet bulb temperature and radiation temperature at the same time. This tester adopts the most advanced digital temperature sensor as the temperature acquisition terminal, equipped with the standard 50mm and 150mm radiation Globe ball independently developed by our company, which fully complies with ISO and relevant national standards, and can pass the verification of the National Institute of Metrology. JT2011 adopts conventional water-added wet-bulb temperature sensor to directly measure the wet-bulb temperature. JT2013 adopts water-free wet-bulb temperature, The 485 communication interface can be more easily connected to your industrial control equipment or control devices, and can also The download and export of measurement data can be realized through this interface.

标题二 Features

Separate design of the sensor group and the body, easy to replace the sensor group

Built-in relative humidity sensor, real-time measurement of air relative humidity
 LCD screen with backlight, easy to read
 Sturdy integrated body, with certain dustproof, waterproof, anti-drop functions
 3 expandable sensor channels for fast gradient measurement
 Interchangeable 50mm and 150mm black balls for a variety of occasions Chinese/English dual language menu options
 Users can calibrate the sensor by themselves with the calibration device
 Optional water-filling type (JT2011) and water-free type (JT2013) two specifications

Expandable 4G wireless transmission, view historical data through the cloud platform
 Optional 4G wireless transmission module, real-time view measurement data through the JT cloud platform, you can also download historical data within one year
 The supporting software of JT2011 can provide users with data downloads, curves Drawing, report issuance, etc.
 The software has built-in multiple standard algorithms and is applicable to commonly used standards around the world

JT2011/JT2013 two specifications

JT2011 is water-added wet bulb temperature, the wet bulb temperature result is the measured value

JT2013 is the water-less type wet bulb temperature, the wet bulb temperature value is the calculated value (suitable for long-term unattended indoor measurement) without adding water The temperature error of the wet bulb is about $\pm 1^{\circ}\text{C}$ (indoor measurement).

It is recommended to use JT2011 outdoors or in an environment with ambient wind, and JT2013 is not suitable for windy environments.

标题三（表格形式） Technical Parameters

Project	JT2011/JT2013
dry bulb temperature sensor	Measuring range: $0\sim 120^{\circ}\text{C}$ Accuracy: 0.5°C ($0.2^{\circ}\text{C}@10^{\circ}\text{C}\sim 40^{\circ}\text{C}$) Resolution: 0.1°C (PT1000)
Black bulb temperature sensor	Measuring range: $0\sim 120^{\circ}\text{C}$ Accuracy: 0.5°C ($0.2^{\circ}\text{C}@10^{\circ}\text{C}\sim 40^{\circ}\text{C}$) Resolution: 0.1°C (PT1000)
wet bulb temperature sensor	Range: $0\sim 120^{\circ}\text{C}$ Accuracy: 0.5°C Resolution: 0.1°C (JT2011 is only applicable, JT2013 wet bulb temperature is the calculated value, the error is about $\pm 1^{\circ}\text{C}$ (indoor))
relative humidity sensor	$0\sim 100\%\text{RH}$ Accuracy: $\pm 3\%$ of reading
instrument storage	SD memory card
show	2.8 inch LCD screen
storage interval	1~60 minutes adjustable