



Ground Check Set JKZ1



JKZ1 Radiosonde Ground Check unit is used to check the temperature and humidity (TU) sensor accuracy of the radiosonde prior launch by comparing with the reference standard set in the checker. This integrative measurement equipment is designed to use with all the CWQX's digital radiosondes for on-site checking.

Highly accurate aspirated-dry-wet bulb thermometer prepared in JKZ1 is used as TU reference standard. It is operated by means of a LCD display and a series of function buttons.

DC stabilized supply was designed for determining reference and checking the radiosonde function prior launch. It also provides a glass jar with desiccant for 0% RH humidity reference.

RADIOSONDE COMPATIBILITY

The ground check set is compatible with all the CWQX's digital radiosondes.

JKZ1 探空仪检测箱

JKZ1 型探空仪地面检测单元主要是为长望气象的数字探空仪的温度、湿度传感器在探空施放前与检测箱内温度、湿度的标准器进行比对而设计的一台综合性检测设备。

检测箱配有测量精度很高的热敏电阻通风干、湿球温度表，作为温度和湿度的标准器。它是通过 LCD 显示与各功能按钮进行操作。

检测箱还配有直流输出稳压电源供探空仪施放前基值测定和性能检查使用。同时还提供了装有干燥剂的玻璃瓶作为 0% 相对湿度的参考。

探空仪的兼容性

该检测设备可兼容于各型号的数字式探空仪。

REFERENCE SENSORS

温湿度标准器

Type **aspirated-dry-wet bulb thermometer**
通风干湿球温度表

Temperature

Range +5°C ~ +35°C

Accuracy* 0.2°C

Resolution 0.1°C

Humidity

Range 15%RH ~ 95%RH

Accuracy* 2%RH

Resolution 0.1%RH

CHAMBER MEASUREMENT STABILITY

检测室测量稳定性

Temperature (+5°C ~ +50°C) $\Delta T \leq 0.2^\circ\text{C}$

Humidity (15%RH ~ 95%RH) $\Delta U \leq 2\%RH$

OTHER MEASUREMENT

其他测量

Resistance (parallel 1M Ω) 电阻

Range 1K Ω ~ 999K Ω

Accuracy 5%

Battery voltage (180 Ω load) 电池电压

Range DC 0V ~ 50V

Accuracy 0.2V

SIZE AND WEIGHT

尺寸和重量

Size(l×b×h) 496×176×276 mm

Weight $\leq 18\text{kg}$

POWER SUPPLY

电源

Input AC 150...240V, 50...60Hz

Output DC 12V (or 9V)

STORAGE

储存

Temperature range -30°C ~ +50°C

Humidity range 0%RH ~ 85%RH

* One-year calibration interval 每年校准一次



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