Info-Electronics Systems

Weather & water are our business

IES is proud to bring to Canada the latest technologies in Remote Sensing, Analysis & Weather Forecasting through the representation of state-of-the-art meteorological instrumentation companies.

Not only do we represent these firms, but we act as a prime contractor, customer liaison and provide value-added services, including project management, software development, systems integration, installation, training, testing, support and post-maintenance support as well.

ZOGLAB

Atmosphere & Environment

ZOGLAB Microsystem Co., Ltd is a professional manufacturer specialized in instruments for atmosphere and environment. Established in 2002, ZOGLAB located its headquarter near Hangzhou Xixi National Wetland Park, China. For many years, they have strong partnership with CMA, WMO and many research institutes in developing and manufacturing various professional environmental instruments and meteorological calibration systems. ZOGLAB product lines cover areas of environmental monitoring, meteorological calibration systems.

ZOGLAB has developed various product lines ranging from temperature and humidity indicator, transmitter, data logger, high precision digital pressure recorder as well as CO2, O2, CH4 strength measuring instruments.
Our data loggers have multiple functions and passed CE, FCC, V-TICK, VCCI, RoSH, ISO9001

TM2000 has the function of memory recognition with 128 passive temperature sensors; two front and back channels standard PT25/PT100 sensor interfaces are switchable; built-in data logger could be exported to the external USB flash disk; PPB measuring circuit, with CE/FCC/VCCI/C-TICK, etc. Certified, ideal reference standard for liquid calibration notch and which could be used for dry block standard of extremely low uncertainty or independent measurement. Compared with the professional laboratory meters, TM2000 is a high cost-effective standard thermometer, improving working efficiency to the large extent.

- Measuring range: 189°C~960°C
- Temperature resolution up to 0.1mK(0.0001 C)
- Temperature stability 0.5ppm/°C,6ppm/year
- Support double channels PT25 or PT100
- Support communication via RS232/RS485, USB, LAN
- Built-in battery can continuously work for 12 hours

DBT500 Digital Barometric Transmitter has one or multiple high-accuracy pressure sensors that provide excellent accuracy and long term stability.It is designed for usage in meteorology, aviation,environment protection, and other related industrial applications.

DBT500 Digital Barometric Transmitter is an ideal solution for barometric measurement. It features an ergonomic design, a 3.5" LCD that can display the pressure value directly, multiple data interface via RS232/485/LAN/USB, and a built-in battery for power back up.

- Pressure measuring range: 500~1100 hPa
- Pressure measuring accuracy: ±0.1hPa(-10°C~50°C); ±0.2hPa(-40°C~50°C)
- Pressure measuring resolution: 0.01hPa
- Stability: ≤0.2hPa/year
- Calibration cycle: 1 year
- Display: 3.5" OLED
- Display unit: hPa, inHg,inH2O,mmHg, mmH2O, psi, mbar,bar
- Stabilization time: ＜30s
- Memory: 1-2 years(1min. interval)
- Working environment: -10°C~50°C, 5%~95%RH(Non condensing)
- Storage environment: -40°C~85°C, 5%~95%RH(Non condensing)
- Power supply: 7~24VDC or 12VDC adaptor (100~230V，50/60Hz)

MMCK3000
Mobile Meteorological Calibration Kit

MMCK3000 is a complete solution designed for on-site verification of automatic weather stations. MMCK3000 adopts a high-precision digital sensor specially designed for meteorological measurement, Support on-site measurement and data recording functions of temperature, humidity, air pressure, wind speed, wind direction (expandable rain, solar radiation).The IP65 design creates conditions for MMCK3000 to perform all-weather verification work .

Temperature generation device
Temperature control range: When the ambient temperature was 20 ℃, with ± 35 ℃
Temperature fluctuation: 0.07℃/5min
The uniformity of temperature field: 0.07℃
Calibration medium: Metal isothermal block

Temp Specification
Measuring range: -50℃～50℃
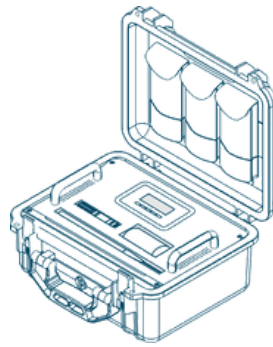Resolution: 0.01℃
Accuracy: ±0.05℃

Wind speed calibrator
Measuring range: 2～20m/s
Resolution: 0.1m/s
Accuracy: ±（0.2+0.02v） , v is the wind speed

The test of wind tester technical indicators
Measuring range: 0°～360°
Minimum lattice: 0.5°
Accuracy: 1°

Rainfall intensity control
Heavy rain and strong control:
4mm/mi（Control time：2'30"+ 10"）
Light rain strong control:
1mm/min（Control time：10'+ 1'）

M2000: Multi-channel analog data logger that combines mobile support for temperature, humidity & pressure sensors. Includes Zoglab rugged carrying case.

- Power Supply: Rechargeable battery pack with AC-adapter or better. The battery shall be available for purchase in open market
- Battery: 18650 batteryx4
- Display: LCD with backlit, graphic trend display of any parameter, character height up to 16mm
- Data logging use: Up to 30 days
- Memory size: 30,000 units(included Temperature Humidity and Pressure)
- Cables: Necessary cables as per the requirement shall be provided

RG100 Rain gauge has a small and delicate appearance, with the unique aero-cone design, can reduce the wind effective area and effeciently reduce the wind speed influence on precipitation measurement.

- Collecting area: 200cm² (φ159.60±0.6mm)
- Resolution: 0.1mm
- Range: Rain intensity: 0~4mm/min; rainfall: >0.1mm
- Tolerance: ±0.4mm(≤10mm)；±4%(＞10mm)
- Operating temperature: 0~60℃

HWS3000
Hand held weather station

HWS3000 well-designed, portable and professional handheld weather station with a battery life of 8 hours.

- Temperature measuring range:-30℃~50℃
- Humidity measuring range: 0~100%RH
- Pressure measuring range:300hPa~1100hPa
- Wind speed range: 0~50 m/s
- Wind direction range: 0°~360°

Contact Us

To learn more about our featured products and to get custom quotes on any of Zoblabs' products please contact IES Inc. at;

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