No. 7802-00 DIGITAL WIND SPEED AND DIRECTION INDICATOR

SPECIFICATIONS

Wind Speed and Direction Sensor

Wind direction: Aeroplane type counterbalanced tail, Potentiometer
Wind speed: Generated by 4-blade propeller
           Starting speed: 2 m/s
           Withstand speed: 90 m/s
Measuring range: Wind direction: 0 to 540°
           Wind speed: 2 to 70 m/s
Output voltage: Wind direction: 0 to 5 VDC / 0 to 540° (540°= N.E.S.W.N.E.S.)
           Wind speed: 0 to 5 VDC / 0 to 70 m/s
Power supply: 12VDC ±5% (consumption: 10 mADC max.)
Dimentions, weight: 510 (W) x 600 (H) mm, 3kg

Wind Speed and Wind Direction Indicator

Input voltage: Wind direction: 0 to 5 VDC / 0 to 540°
Output voltage: Instant/Mean Wind direction: 0 to 10 mV, 0 to 1 V / 0 to 540°
           (Instant or mean selected by switch)
           Instant/Mean Wind speed: 0 to 10 mV, 0 to 1 V / 0 to 70 m/s
           (Instant and mean signals output simultaneously)
Display: Wind direction: 16 cardinal points, LED (dot display)
           Wind speed: 3 digits, LED (7 segments)
Accuracy: Wind direction: Within ±5°
           Wind speed: Within ±0.5 m/sec. at less than 10 m/s
           Within ±5% at more than 10 m/s
Measuring system: Instant and mean (CR integration t = 120 sec.)
Power requirement: 100 VAC ±10% 50/60 Hz (Other voltage is available)
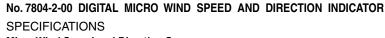Power consumption: 100 mA max.
Operating ambient: 0 to 40°C
           30 to 85% RH (no condensing)
           Atmosphere of approx. 1,013 hPa, free from corrosive gas.
Storage temperature: −10 to 70°C
Dimensions, weight: 263 (W) x 136 (H) x 239 (D) mm, 3.5kg

No. 7804-2-00 DIGITAL MICRO WIND SPEED AND DIRECTION INDICATOR

SPECIFICATIONS

Micro Wind Speed and Direction Sensor

Wind direction: Aeroplane type counterbalanced tail
           Rotary encorder (8 bit gray code)
Wind speed: 4-blade propeller coupled to DC generator
           Starting speed: 0.4 m/s
           Withstand wind speed: 70 m/s
Measuring range: Wind direction: 0 to 540°
           Wind speed: 0.4 to 50 m/s
Output voltage: Wind direction: 8 bit gray code / 0 to 540°
           (540° = N.E.S.W.N.E.S.)
           Wind speed: 0 to 2 VDC / 0 to 50 m/s
Power requirement: 12 VDC ±5% (consumption: 90 mA max.)
Dimensions, weight: 620 (W) x 630 (H) mm, 3kg

Micro Wind Speed and Direction Indicator

Input voltage: Wind direction: 8 bit gray code / 0 to 540°
           Wind speed: 0 to 2 VDC / 0 to 50 m/s
Measuring method: Instant
           Mean: CR integration t = 120 sec.
Output voltage: Instant wind direction: 0 to 10 mV, 0 to 1 V / 0 to 540°
           Mean wind direction: 0 to 10 mV, 0 to 1 V / 0 to 540°
           (Instant and Mean are selected by switch.)
           (540° = N.E.S.W.N.E.S.)
           Instant wind speed: 0 to 10 mV, 0 to 1 V / 0 to 10 m/s
           0 to 10 mV, 0 to 1 V / 0 to 50 m/s
           Mean wind speed: 0 to 10 mV, 0 to 1 V / 0 to 10 m/s
           0 to 10 mV, 0 to 1 V / 0 to 50 m/s
    (Range of 0 to 10 m/s or 0 to 50 m/s is selected by wind speed selector)
Display: Wind direction: 16 cardinal points: LED (dot display)
           Wind speed: 3 digits: LED (7 segments)
Combined accuracy: Wind direction: Within ±5°
           Wind speed: Within ±0.3 m/s under 5 m/s
           Within ±5% of indicated value over 5 m/s
Power requirement: 100 VAC ±10% 50/60 Hz (Other voltage is available)
Power consumption: 100 VAC less than 100 mA
Operating ambient: 0 to 40°C
           30 to 85% RH (no condensing)
           Atmosphere of approx. 1,013 hPa, free from corrosive gas.
Storage temperature: −10 to 70°C
Dimensions, weight: 263 (W) x 136 (H) x 340 (D) mm, 3.5kg