

# SERVOTECH

## TEMPERATURE PROBE MANUFACTURERS

### CENTER 520 DATA LOGGER

The CENTER 520 is a 4 channel general-purpose data logger. It supports K, J, E, T types of thermocouple probes.



#### Measurement range :

K: -200°C ~1372°C (- 328°F ~ 2501°F)

J: -200°C~1000°C (- 328°F ~ 1832°F)

E: -200°C~750°C (- 328°F ~ 1382°F)

T: -200°C~400°C (-328 °F ~ 752°F)

**Resolution :** 0.1°C < 600°C / 0.1°F < 1000°F,

1°C ≥ 600°C / 1°F ≥1000°F

**Accuracy :** Accuracy is specified for ambient temperatures between

18°C (64°F) and 28°C (82°F). The specifications do not

include thermocouple sensor error.

± (0.1% of reading+0.7°C) ±(0.1% of reading+1.4°F)

below -100°C (-148°F)

± (0.4% of reading +0.7°C) ±(0.4% of reading +1.4°F)

**Temperature coefficient :** 0.01% of reading + 0.05°C per °C (<18°C or >28°C)

**Sample rate :** 2 time per second

**Battery type :** UM-4 or AAA 1.5V battery x 4

**Battery lifetime :** Approx. 100 hours (alkaline battery)

**Operation temperature :** 0°C to 50°C (32°F to 122°F)

**Operation humidity :** 10 to 90%RH (no condensing)

**Storage temperature :** -20°C to 60°C (-4°F to 140°F)

**Storage humidity :** 10 to 75%RH

**Dimensions/ Weight :** 187mm(L) x 75mm(W) x 29mm(H)/ Approx. 290g

**Standard Accessories :** Instruction manual, battery 1.5V AAA x 4 pcs, Windows software, micro-USB cable, K type bead probe x 2 pcs, carrying case.

### FEATURES

- ❖ T1-T4 Function
- ❖ Data Hold Function
- ❖ Temperature Alarm Function
- ❖ Adjustable Auto Power Off Timer
- ❖ Fast Response with High Accuracy
- ❖ Measures K, J, E, T Type Thermocouples
- ❖ Min/Max/Avg Recording of All Channels
- ❖ USB Interface, PC Software Included
- ❖ Large Backlit LCD Shows All Channels on Display
- ❖ Datalogging Up to 16,000 Points Each Channel
- ❖ Recall Function to Instantly Read-out Up to 100 Sets Manually Saved Data

### APPLICATIONS

- ❖ Environmental Monitoring
  - Healthcare
  - Food and Beverage
  - Aerospace
- ❖ Manage the energy efficiency of a space, facility, or building.
- ❖ Farming
  - Records water depth, pH levels, soil moisture levels