DALLAS SEMICONDUCTOR

DS1921K
Thermochron iButton Starter Kit

FEATURES

- Starter Kit to evaluate the DS1921 Thermochron™ iButton® temperature recording device.
- Free Windows software downloaded from the Web
- Hardware included:
  - DS1921G - Thermochron iButton
  - DS9093F - Snap-in Fob, Black
  - DS9490R - USB to 1-Wire® adapter
  - DS1402D-DR8 - Blue Dot™

DESCRIPTION

The DS1921K Thermochron iButton Starter Kit provides **basic** hardware for a quick evaluation of Dallas Semiconductor's Thermochron iButton. The kit includes a Thermochron iButton and the hardware to communicate with it. The DS1921K is also capable of evaluating any sensor iButton, including high-capacity Thermochrons (DS1922L and DS1922T), the Hygrochron (DS1923), and the temperature-only iButton (DS1920). Please note that only the DS1921 is included in the kit. Other sensor iButtons will need to be purchased separately. The demonstration software drivers can be found here:
http://www.maxim-ic.com/products/ibutton/software/tmex, and detailed instructions for installation can be found here:
http://www.maxim-ic.com/products/ibutton/ibuttons/1-Wire_Drivers_Installation.pdf. There are several different distributions of the 1-Wire Drivers available. It is highly recommended to download a distribution that comes with the iButton Viewer and/or the OneWireViewer:
http://www.maxim-ic.com/products/ibutton/software/1wire/OneWireViewer.cfm. These are software programs for the PC that can be used to evaluate Thermochrons and other iButton/1-Wire products.

For developing applications for the Thermochron or other iButtons, there are three APIs available:
1. First is the TMEX API where the drivers can be found and downloaded from here:
   http://www.maxim-ic.com/products/ibutton/software/tmex/index.cfm.
2. Second is the Java API, which is the source for the OneWireViewer can be found here:
   http://www.maxim-ic.com/products/ibutton/software/1wire/1wire_api.cfm.
3. Third is the 1-Wire Public Domain Kit, it is written in C for many different platforms found here:
   http://www.maxim-ic.com/products/ibutton/software/1wire/wirekit.cfm.

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