

## uLCD-32PTU (Display Module)

**This item includes the following:**

- uLCD-32PTU Display Module
- 150mm 5 way Female-Female jumper cable, for quick connection to another device or breadboard
- 5 way Male-Male adaptor (for converting the Female-Female cable to be Male-Female)
- Quick Start User Guide



**uLCD-32PTU**

## SK-32PTU (Starter Kit)

**This item includes the following:**

- uLCD-32PTU Display Module
- 2GB microSD Card
- uUSB-PA5 Programming Adaptor
- 150mm 5 way Female-Female jumper cable, for quick connection to another device or breadboard
- 5 way Male-Male adaptor (for converting the Female-Female cable to be Male-Female)
- Quick Start User Guide



**In stock**  
**SK-32PTU**

*4D Systems highly recommends all first time buyers of 4D Systems' displays, to purchase the Starter Kit when purchasing their first 4D Systems display solution.*

*The Starter Kit provides all the hardware that is required to get the user up and running.*

*Not all development environments and features will be needed by every user, however by purchasing the display solution in a Starter Kit, it ensures that if you want to take full advantage of the 4D Systems display solution and try out each of the 4D Workshop4 Environments, upgrade PmmC/firmware, you can.*

*The Designer environment can utilise every feature of the display, however depending on the user requirements, a micro-SD ( $\mu$ SD) card may not be required. The  $\mu$ SD card is used when displaying images/video/sound, along with datalogging to  $\mu$ SD, and a programming cable is definitely required for downloading compiled code and PmmC/Firmware updates.*

*The ViSi environment is the same as Designer in terms of feature utilisation, but is image based so requires a  $\mu$ SD card, along with a programming cable.*

*The ViSi-Genie environment is also image based, and therefore requires a  $\mu$ SD card and programming cable also.*

*The Serial environment does not require either a  $\mu$ SD or Programming cable to be used, however can utilise both depending on the user requirements. The  $\mu$ SD card can be used for such things as storage of multimedia files and datalogging, and the Programming cable for PmmC/Firmware updates, or changing to one of the other three programming environments.*