

# Emroth Technologies Pty Ltd

## Serial Data to Virtual Barcode (Virti-Bar) Interface



The Emroth Technologies Pty Ltd Serial Data to Virtual Barcode Interface unit has been developed to provide low cost, interface between serial data equipment (eg Scales, processes monitoring equipment, etc) and barcode scanners. The Virti-Bar unit works by taking in serial data (eg weights, flow rates, temperatures, etc) and converting the data into a virtual barcode. As the information changes, so does virtual barcode. This means that a normal barcode scanner can scan the Virti-Bar unit and collect the information automatically. This saves time and is much more accurate than manually entering or recording data.

### Features:

- Supported Bar Codes Code 128, Code 39, Interleave 2 of 5.
- Transmits up to 48 characters.
- 2 x 16 digit LCD display
- Ready to Scan Green LED
- Red Power LED
- Low voltage plug pack operation.
- RS 232 interface with selectable Baud Rate, Bits and Parity.
- Selectable Scale Interface modes for common scale types.
- Alphanumeric character support
- Continuous update mode, or read and hold mode
- Programmable scan distances for 100mm to 1m depending on number of characters to be displayed.

### Description of Operation:

As the Virti-bar unit receives serial data the data is converted into the virtual barcode in the selected barcode format. The Virti-bar unit can be configured to strip any unnecessary data and leave just the values to be turned into the barcode.

The 2 line by 16 character LCD display mimics the information that is to be scanned. The Green Ready to Scan LED is illuminated when information has been loaded into the buffer and is ready to be scanned

The two standard modes of operation are "Continuous Update" and "Read and Hold". When set to "Continuous Update" the Virti-bar unit displays the data that has just been received for a set period of time for scanning. Once the time has expired the buffer is flushed and current reading is displayed. This mode is used for rapidly changing values. When in read and hold mode the Virti-bar unit displays the last value until the next value is received. This mode is used for data that updates slowly such as counts.

Two styles of housing are available standard IP56 and special IP65.

**Delivery:** Ex-Stock,  
New or custom scale interface programs can be normally supplied in 10 working days.

Available From:

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