What is Virtual Bar Code Technology?

Until recently bar codes could only contain static information. This was because once a bar code was printed it could not be changed. With the development of the Virtual Bar Code technology, information displayed as bar codes can now contain constantly changing variable information. Virtual Bar Code technology can display, as a virtual bar code, any information that can be represented in a standard bar code format.

What application can use Virtual Bar Code Technology?

Any situation where information is changing can use Virtual Bar Code Technology, such as:
- weighing,
- counting,
- metering,
- timing,
- volume,
- flow,
- RFID readers,
- Virtual Bar Code ID tags.
- etc.

The Virtual Bar Code interface is connected to the weigh scale, flow meter, thermometer, or any other equipment and the virtual bar code interface is scanned with a normal bar code scanner just like a conventional bar code.

What are the Advantages of using Virtual Bar Code Technology?

The use of Virtual Bar Code technology has a number of advantages over manually entering information, including:
- High level of accuracy of the captured of information
- High speed capture of information - one scan gets up to 48 characters
- Can link equipment identification with measured information, e.g. meter serial number and meter reading captured in one scan

The use of Virtual Bar Code technology has a number of advantages over hardwiring and radio systems, including:
- Lower cost compared to dedicated cabling or radio interfaces
- Information collection unit (eg scanner) is completely portable
- Compatible with any laser scanning bar code scanner.
- Quick to install and configure as no cabling to centralised systems is required.
- Remote location and harsh environment options are achievable when cabling is not feasible

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