USB-FDI

FLASH DRIVE INTERFACE

COMPLETE TRACEABILITY OF EVERY WEIGHING

NO PAPER TALLY ROLL REQUIRED

NO CABLING AROUND FACTORIES

DATA COMPATIBLE WITH EXCEL

NO NEED TO TYPE RESULTS INTO PC

The USB-FDI is a new unit which allows data to be stored directly onto a memory stick from any weighing machine with a serial output. This data is stored in CSV format, meaning it can be directly viewed on any computer using EXCEL.

The USB-FDI can either be permanently connected to a weighing machine where it is recommended to power it from the supplied mains adapter. Or it can be used with weighing machines that have there own memory and periodically connected to transfer this information to a memory stick. In this case the internal batteries can be used making it very portable.

The USB-FDI has four simple modes:-

1 - SETUP CLOCK
2 - SERIAL STREAM SAMPLE
3 - RESET SEQUENTIAL NUMBER
4 - CHECK CRC

These are easily accessed by holding down the setup button located inside the battery compartment and watching the LED's on the side of the machine for the desired combination of flashes. (explained in user manual)

Using the USB-FDI you can extract up to 8 fields of information from the weighing machine. for example NET, GROSS, TARE, UNIT WEIGHT, COUNT, TIME DATE, SEQUENTIAL No. If the weighing machine does not have sequential number or time and date these are available from the USB-FDI and are easy to set / reset using modes one and three.

To see the format of the serial string from your weighing machine instead of using a terminal program on a PC you can simply use mode two and sample the serial string. This creates a file on the memory stick with the sample data, plus this data is labelled to number the bytes. This file makes it very simple to see what data you want to store to file and where it is in the data string.

The unit also automatically stores the exact string as it comes out of the weighing machine to a file on the memory stick. It then adds a check sum to the end of each package of data. At any time if there is a query about a previous weight it can be looked up on this file. To check if this data has been subsequently modified you can enter mode 4 on the machine and it will verify all the check sums on the file and add either OIMLPASS or OIMLFAIL to the end off each package of data.

```
BAUD 9600
PARITY NONE
SEQUENTIAL YES
TIME YES
DATE YES
IDENT 3,XYZ
T1 7,15
T2 16,24
T3 27,38
T4
T5
T6
T7
T8
SIZE 40
END
```

SETUP.txt FILE

NET	TARE	TIME	DATE	SEQUENTIAL No
2.950	2.500	09:10	10/10/2007	00035
2.800	2.500	09:12	10/10/2007	00036
3.005	2.500	09:15	10/10/2007	00037
2.600	2.500	09:20	10/10/2007	00038

DATA IN EXCEL

```
000000000000000000000000000000000000000000
000000000111111111122222222233333333334
123456789012345678901234567890123456789O
**XYZ*  12.45Kg  43.50Kg**    24131PCS**
```

SAMPLE.txt FILE

```
**XYZ*  12.45Kg  43.50Kg**    24131PCS** OIMLPASS
**XYZ*  13.25Kg  44.30Kg**    25141PCS** OIMLPASS
**XYZ*  14.35Kg  45.40Kg**    26151PCS** OIMLPASS
**XYZ*  12.05Kg  43.10Kg**    23901PCS** OIMLPASS
**XYZ*  12.95Kg  45.00Kg**    25591PCS** OIMLPASS
```

TALLY_A.txt FILE