# Absolute
## We mean accuracy

# IN1 DIGITIZER
## LABEL/BAR CODE PRINTING INDICATOR

This indicator is designed to suit industrial needs of barcode/label printing. Now-a-days barcode is popularly used to provide unique identification of goods.Indicator has a facility to connect "Label Printer" externally viaa COM port. Printed label can include information of weight date, time, entries and bar code based on the customization

## Hardware Features

Load cell port for connecting weighing platform

USB port for connecting a 101 key keyboard for installation/ settings /operation

16x2 character LCD display to show weighment process

Internal buzzer for process indication

Printer port for connecting 80 column DMP printer

USB port for connecting pen drive

Serial (RS-232 ) port for connecting a label printer

Memory to store up to 9,999 records

230 V AC operated

## Software Features

Weighment procedure as per weighbridge or Industrial needs

Option of saving of the records is provided

Customized label for required size, arrangement, barcode etc

Printing Labels for each weighment on label printer

Provision of report printing RST/Date wise (Full, Summary, Pending and Complete)

## Salient Features

Barcode printing

Make the duplicacy difficult by any other person, thus reduces fraud

Barcode information can be utilized for further processing by any PC based application using the barcode scanner

## Applications

Manufacturing units

Shipping and logistics

Retail industry

## Application awareness

Preferred Label printers: TVSE LP44, INTERMEC PD 42, and TSC TTP244 PRO

Any other printer connectivity can be provided on customization

Polyster resin label are available in varieties like water/heat proof with good quality adhesive

Labels of different standard size (max 100x100 mm) are readily available in market

Consumable ribbon is also available in market for various qualities

## Benefits/Suggestions
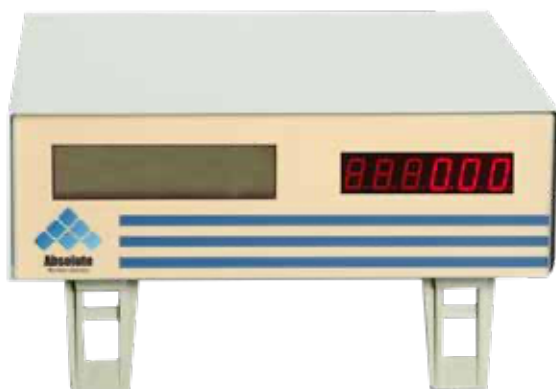
Shipper Indicator

Plain Digitizer

Customized Weighment Styles

## ⚙ Technical Specifications

### Sample label without Bar code

```
ABSOLUTE SCALES LTD
Label Serial No.:      100
Date        : 13/07/2020
Time        : 12:12

Parent Reel : 5
Slit Width  : 20

PRODUCT     : PAINT
Lpo No.     : ASL43
Core Weight :    7.00
Gross Weight:   32.00
Net Weight  :   25.00
MACHINE     : 1707091064
```

**Sample label without Bar code**

```
BAG NO          :   84
Date   : 21/04/2015    Time   : 20:12
MATERIAL        :  STEEL
GRADE           :  A
MFG DT          :  12.12.15
EXP DATE        :  15.01.16
BATCH NO        :  25

WEIGHT          :      100.0    kg

210415201200100.0
```

**Sample label with Bar code**

```
WEIGHMENT SLIP

Date : 25/03/2021  14:41  hrs
Sr. No. :    44

Gross Wt  :   52.8   kg
Tare  Wt  :   30.3   kg
Net   Wt  :   22.5   kg
```

**Sample label without Bar code**

| | |
|---|---|
| Processor | 32 bit ARM processor |
| Processor clock | 50 MHz |
| Real time clock | On board battery backed RTC |
| RTC clock frequency | 32.768 KHz |
| Memory | 9999 records |
| Power supply | SMPS power supply |
| Input voltage | 90V to 270V AC @ 50Hz |
| Protection | 750mA fuse for input AC mains |
| | Input line filter for EMI and RFI suppression |
| | Spike suppressor for input transients |
| | Opto-isolation of signals and I/O's for high immunity from electrical noise |
| Power consumption | 10 VA (approx.) |
| A/D converter | Sigma Delta type with 24 Bit resolution |
| A/D clock | 20 Hz |
| Conversion speed | Internal 25 samples per second |
| Load cell excitation | 8V DC with current capability to drive up to 12 load cells of 350 ohms input resistance |
| Signal sensitivity | 0.3 micro volt per division of weight (unit weight) |
| Display | 16 characters by 2 line LCD display with backlight 1/2" LED 7 segment red display to show weight. |
| Keyboard port | 101-key with USB connector compatible keyboard. (Recommended for use Logitech or Microsoft) |
| USB Port | USB Port configured for Pen Drive/ DMP printer |
| Printer port | Isolated Centronics compatible printer port to connect 80-column dot matrix printer for printing of weighment record and reports |
| Serial port | Isolated RS-232 serial port for continuous weight transfer/modem connectivity |
| Remote display port | Remote display port to connect external display 1/2", 1", 2.3" & 4" |
| Environment | Operating temperature: 0° to 55 celsius° |
| Humidity | up to 95% RH non-condensing |