IS-E1005 XSeries

IS-E1005 X.1

By using IS-E1005 X.1, users can enjoy the easy of use and configuration to various existing devices with economical prices, and guaranteed quality. In addition, with IS-E1005 X.1 users don't need to change the installation of software from additional devices such as external displays, printers, etc. That already exist.

Benefit :
● Connect to various types of devices such as external displays, printers, etc.
● Economical price
● Easy usage & configuration

Additional :
● I-CON X.1

Anywhere Use

Wallmount Use

Description

General

This specification describes the IS-E1005 indicator, capable of stand-alone operation, or of integration into a larger system via serial interface. It is a microprocessor-based industrial weighing system with up to 100,000 displayed increments for analyzing, displaying, storing and transmitting gross and net weight information. Up to eight analogue load cells to be connected with the indicator. The IS-E1005 can be matched to almost any load cell system to achieve optimum accuracy, stability and repeatability. The indicator can control its surrounding process using configurable outputs.

Configurable Features

The IS-E1005 features a keyboard which allows any of the following functions to be configured during commissioning:

● Sensitivity to weight signal
● Scale capacity
● Number of divisions and increment size
● Weighing Unit
● Zero / back balance
● Position of decimal marker
● Filtering parameters
● Tare availability
● Time and date
● Animal weighing
● I/O operation

APPLICATIONS

● **Parts Counting**
  Simple counting mode.
● **Static Checkweighing**
  Set limits, manually or by sample mode.
● **Peak Hold**
  Records maximum weight measured. Clear button resets memory.
● **Totalising**
  Single totals channel.
● **Remote Display Mode**
  Connect to, or use as a remote display.
● **External display**
● **Printer**
● **Etc**

SPECIFICATIONS

Electrical

Display
● **Type**
  Red LED display 0.8 inch. Displays up to six digits
● **Decimal Points**
  Configurable to any of six positions.
● **Units Displayed**
  kg, lb, pcs
● **Annunciators**
  Balance (Gross Zero), Motion, Gross, Tare, lb, kg, Under/Target/Over, Battery Status
● **Keypad**
  7 keys, addressing: Function Key, Dedicated Function Keys: Zero, Tare, Select, Print, Units, On/Off

Load cell input

● **Maximum Load Cells if 350Ω:4 Load cell, 700Ω:8 Load cell**
● **Connection of Input**: Via 9-way, D-type connector.
● **Excitation**: Direct current
● **Voltage**: 5 V dc
● **Current**: Up to 115 mA
● **Remote Sense**:
  Obtained from excitation, or linked directly to reference input connectors at the indicator
● **uV/ per Division**: 0.5
● **Resolution**: 30,000

Calibration

Full digital multi-point (five point) calibration. Theoretical calibration possible if parameters known. **Increment Multiplier**: 1, 2, 5, 10, 20, 50

Environment

● **Resistance to Dirt and Moisture**: Protected to IP54, in moulded ABS enclosure.
● **Electrical Disturbance**: Immune to electrical disturbance, including RFI as detailed in EN 45501:1992.
● **Operating Temperature**: -10° C to + 40° C
● **Service Temperature**: -10° C to + 55° C
● **Storage Temperature**: -40° C to +70° C

Analogue to Digital Converter

● **A to D Rate**: 8 times / second.

Filter

● Selectable averaging: fast, medium and slow.

Balance/Zero

● **Setting**: Keyboard push button.
● **Size of Balance Range**: Normally 10%, up to 100%.
● **Zero Indication**: Within 2% of maximum capacity.
● **Under Range Indication**: Displays "＿＿＿＿＿＿"
● **Zero Tracking**: Configurable.

Range/Span

● **Range of Adjustment**: 0 - 100,000 divisions
● **Over Range Indication**: Displays "— — — — — —"

Finish

Enclosed in moulded ABS plastic case.

Mounting Options

The indicator will desk, wall or pole mount.

Communications

● **Serial Interface**
One bi-directional asynchronous serial interface (RS232/485/422 and RS232/20mA current loop) as standard.For comms to PC or printer, requires standard straight-through cable.

Options

The IS-E1005 is fitted with a real time clock which allows the user to display and print the time and date. This clock is battery-backed and will remain functional in the absence of mains power.

● Isolated RS-232/RS-485
● Isolated 4-20mA Analog current output
● 2/4 set point
● Date & time function

Electrical Power Input

● **Voltage**: 100 VAC - 230 VAC nominal, 50/60 Hz.
● **Tolerance**: Voltage -15 to +10%, Frequency ±10%.
● **Power Consumption**: 20 VA maximum when used with full configuration of load cells
● **Cable length**: 2 m.
● **Power Supply**: External linear plug type.
● **Battery Operation**: Internal battery provides on a single charge:
  ~ 25 hours on single load cell.
  ~ 15 hours on four load cells.
● **Isolation Protection**: None. Mains earth lead must be connected to safety earth.
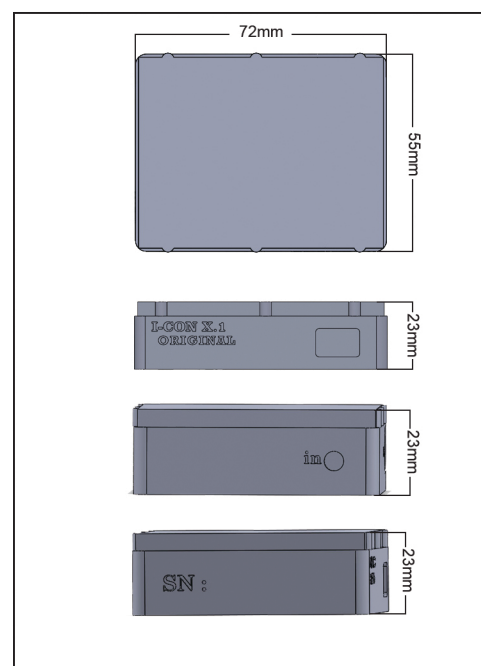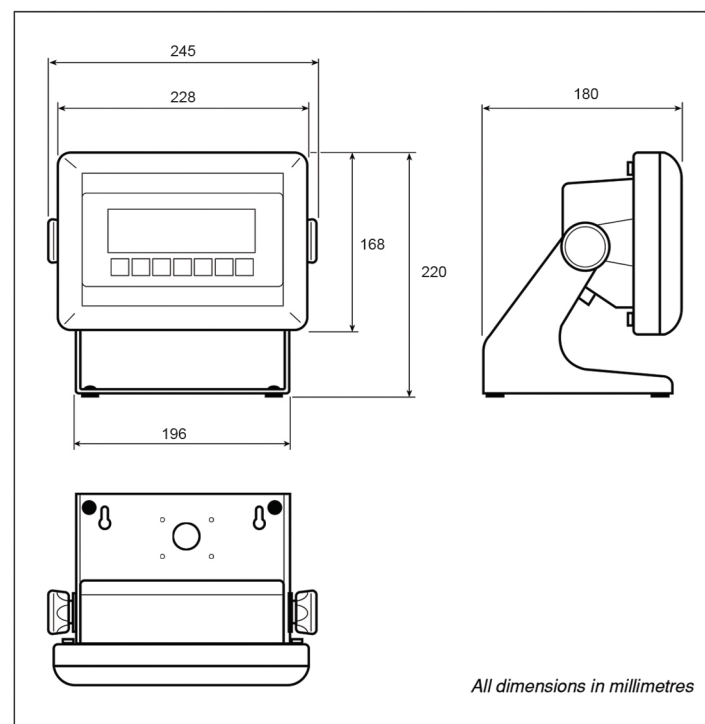
Tares

● **Push-Button (Semi Auto) Tare**
Push-button operated, semiautomatic, with selectable negative weight display.
● **Initialisation and Operation**
When the item to tare on is applied, press the 'Tare' push button.

Dimensions

All dimensions in millimetres