

SCT100

BENCH DIGITAL WEIGHT
TRANSMITTER/INDICATOR



RICE LAKE[®]
WEIGHING SYSTEMS INDIA LIMITED

www.ricelake.co.in

SCT100 BENCH DIGITAL WEIGHT TRANSMITTER/INDICATOR

Multipurpose weight transmitter ideal for the production of bench or floor scales, dosage, filling systems etc. The wide range of available interfaces, makes it easy to integrate the weighing with any automation system.

Standard Features

- Easy to use 5-key waterproof keyboard
- Highly efficient red LED display with 6 20-mm digits and 6 LEDs for showing active functions
- Stainless steel protective case
- Frontal panel in aluminium, with protection gasket
- Dimensions 170 × 115 × 68mm, fitted with support bracket (168 × 150mm) for table or wall mounting
- Calibration, Set-Up parameters, configurable from keyboard or from PC with DINI TOOLS
- Up to 10.000e or multirange 2 × 3000e @ 0,3 µV/e in CE-M approved version for legal for trade use
- Up to 800.000 displayable divisions with internal resolution up to 3.000.000 points
- Up to 8 signal linearization points with DINITOOLS (3 from keypad)
- A/D 24-bit sigma-delta conversion, up to 400 conv./sec. autoselect
- Connectable with up to 8 analogue load cells with 350 Ohm input resistance
- Management of a digitally equalised 4-cell weighing system or management of 4 independent weighing systems
- From 12 Vdc to 24 Vdc power supply; 12Vdc power adapter included
EU, UK, US, AU plugs included as standard

Transmitter/Indicator: Functions

THROUGH KEYBOARD:

Zeroing; Semi automatic and presettable tare, print and/or data transmission; ON/Stand-by

SELECTABLE:

High Resolution Weighing x 10; Net/Gross or lb/kg conversion; Weighs totalisation; Formulation; Counting; In/Out Truck weighing; Hold e Peak

EXTERNAL INPUT:

Simulation of key pressure; Keyboard lock

MOSFET OUTPUT:

Set Point Control on the weight, either positive (in loading) or negative (in unloading), or on the pieces (counting mode), with programmable enabling/disabling thresholds, as direct check or upon weight stability

SERIAL PORTS:

On all models: Reading of the net, gross, and tare weights; Clearing; Semi automatic and presettable tare; Scale switch; Setting of outputs activation thresholds.

DGT20 and DGT20AN models: Reading of microvolts or ADC converter for all the channels; Message display; Printing; Setting of APW in counting mode; Simulation of key pressure; MODBUS serial protocol

THROUGH 16 bit ANALOGUE OUTPUT (DGT20AN):

Analogue output proportional to the net or gross weight, either positive (in loading) or negative (in unloading)

Specifications

I/O: RS232/C bidirectional port (RJ11 connector) configurable for connection with external units
RS485 bidirectional port configurable for network connection (Mod. DGT20 / DGT20AN)
2 photomofet outputs: 150 mA 48 Vac / 150 mA 60 Vdc (NO), with configurable functions
2 optoisolator photocoupler inputs:
12÷24 Vdc, 5 mA min - 20 mA max, with configurable functions
16-bit analogue output (DGT20AN model) 4-20mA / 0-5Vdc / 0-10Vdc at choice
Maximum load applicable on the output current: 3000hm. Minimum load applicable on the output voltage: 1kOhm
Available in version with Profibus, Profinet, EthernetIP, EtherCAT and Modbus TCP/IP fieldbus.

Integrated Web Server

The integrated WEB SERVER allows complete diagnostics, calibration and remote configuration of the weight transmitter from ethernet network
Only for PROFINET, ETHERNET IP and MODBUS TCP models.

Master/Repeater Option (MSTSLV code)

Specific programme for use of the indicator as a universal weight repeater or as a multi-scale repeater (MASTER) in combination with DFW/DGT/MCW

FUNCTIONING MODES:

Multi-scale repeater (MASTER) function which allows to repeat up to 32 independent scales, with the possibility of managing their functions, or displaying and printing the sum of the weighs of all the scales.

UNIVERSAL weight repeater function which allows to repeat the weight of any scales, through the configuration of the input string.

Approvals



EN 45501



OIML R76
OIML R61 - MID
OIML R51



NMI S788

Your Rice Lake Weighing Systems distributor is:

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