DTC Weighing Indicator

Product description

DTC indicator features a painted-metal enclosure and a graphical LCD with keyboard. It is designed for vehicle weighing as well as labelling & data collection applications. Its user friendly graphical environment provides flexibility and intuitive operation.

DTC indicator supports all kind of our digital load cells as well as other industrial developing boards such as wireless transceivers.

The stored data can be transferred to USB memory as CSV and used for further handling on a PC.

Key Features

- **Compact panel housing**

- **1xUSB interfaces**

- **RS232 interface**

- **RS485 interface**

- **Ethernet TCP/IP interface**

- **Printer Parallel port**

- **Pc keyboard port**

- **Up to 8 load cells (350 Ohm) or 24 load cells (1150Ohm)**

- **Enhanced EMC design effectively eliminates EMR disturbance of power supply and outside**

- **Special digital filtering technology to strengthen anti-vibration ability**

Applications

Vehicle weighing with labelling and data collection requirements

Specifications

A/D converter type	24-bit Delta-Sigma ratio metric with integral analogue and digital filters
Conversion rate	Up to 4800 measurement values per second
Input sensitivity	0,4 µV/e approved; 0.05 µV/e non approved.
Analog input range	-20 mV to +20 mV
Internal resolution	up to 16 000 000
Excitation	5 VDC max. 140 mA
Number of load cells	Up to 8 load cells (350 Ω) or 24 load cells (1150 Ω)
Operation temp. range	Approved scales -15 °C to +55 °C | Industrial usage -10 °C to +40 °C
Humidity	Approved scales 80% RH max, non-condensing Industrial usage 90% RH max, non-condensing
Enclosure	painted-metal
Protection	IP56
Sizes (W x H x D)	272 x 180 x 145 mm

Communication

Connectable with	**PC, printer, Remote display, EPL printer**
Parallel Port	**Centronics Parallel Port, DB-25 Connector for printer connection**
RS232/485 Port	**2 x galvanically isolated, 3 wire**
RS232/485 Baud Rate	**1200 to 115200 programmable, default 9600**
RS232/485 Data	**Length 7 or 8 bits; parity even, odd or none**
Ethernet TCP/IP Transmission rate	**10 / 100 Mbit/s, Full duplex**
TCP/IP settings	**Manual IP assign over EtherX PC Software or by keys in programming mode**
Ethernet TCP/IP Connection method	**Server or Client**
Ethernet TCP/IP Installation	**Switched Ethernet transmission with shielded twisted pair cables and RJ-45.**
Ethernet TCP/IP Isolation	**S isolated bus electronics**
Ethernet TCP/IP Response speed	**Max. 4 ms response delay after read/write commands**
USB Connection	**Standard USB 1.1**
USB Response speed	**Max. 4 ms response delay after read/write commands**