DLC-6 Digital Load Indicator & Controller

Description

DLC-6 is a versatile digital load controller used for process control and automation, bagging and filling, bottling and many such applications. Due to its industry standard communication protocols and field programmable scale functions it is used for all kinds of weighing applications and process control automation. Powerful calibration options including electronic calibration without test weights supports easy and fast start-up and service.

Large 6 digit LED weight display (red 0.56 inch) with weight status allows good readability.

Options

Either one 0-10 VDc or 4-20 mA output available

Ethernet MODBUS TCP / IP option available on request

Features

Made to EU type approval up to 10,000 usable intervals

Serial RS-485 interface

Large remote display interface for better readout

Display Kg or Newton

Field Programmable

Internal count 100,000

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Display and Keyboard

Display Type	0.56 Inch 7 Segment RED 6 Digits
Indicating LEDs	3 mm RED indicating bright LEDs
Key Type	4 Tactile Keys

A/D Converter

Type	24 – bit Delta Sigma Analog to Digital converter with 50Hz and 60Hz rejection
Conversion Frequency	Nominal 10 Hz. Max 30 Hz can be provided upon request
Analog Input Range	-19.5 mV to +19.5 mV
Resolution	Internal 100,000 counts and usable 10,000 counts

Calibration & Functions

Calibration	Calibration is performed by applying weights. 10 step calibration options are also available upon request. Factory calibration rest or recall facility available.
Weighing Functions	Tare / Zero, External Tare / Zero Net and Gross [1]
Other Functions [1]	1. Start and Stop 2. Peak and Valley Hold and Clear
1. Functions are optional. Need to ask for the same while placing the order. Any one function set can be made available	

Load Cells

Excitation	5 VDc max. 20mA
Number of Load Cells	Supports up to 12 Load Cells through junction box or parallel wiring
Note: Supports 4 wire and 6 wire load cell connections.	

CE ISO
9001:2015

Serial Options

Serial Protocol	MODBUS RTU
Baud Rate	1200, 2400, 4800, 9600, 14400, 19200, 38400, 56000, 57600, 115200 supported baud rates
Data Bits	8
Stop Bits	1
Parity	None, Odd and Even

Optional

TCP/IP	MODBUS TCP/IP interface provided upon request.
Jumbo Display	6 Digit 4-inch 7 segment readout option available for interfacing with DLC-6 series load indicator / controller
Analog Output	0 – 10 VDc or 4 – 20 mA or -10 VDc to 10 VDc output option available
Relays	2 field programmable relay output option available. Max current 2 Amp. Can be programmed in ALARM or CONTROL mode and user settable set points available
Note: This option is to be specified at the time of ordering	

Load Cell Connection Scheme

CE ISO 9001:2015

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