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Amplificator LCA20



Amplificator LCA20 Producator: LCM Systems LCA20 Intelligent Load Cell Amplifier

Descriere

LCA20 Intelligent Load Cell Amplifier

Features :

- Variable gain Strain Gauge sensitivity from 0.5 to 7.8mV/V
- Simple one pass Auto Calibration
- Auto Tare
- 4-20mA and 0-10V outputs
- 5V @ 160mA excitation to drive up to 10 x 350 ohm Strain Gauges
- High accuracy
- Low drift
- Wide range of power supplies
- IP65 surface mounting case
- 20 years data retention
- Digital programming, calibration & display

The LCA20 intelligent strain gauge amplifier offers both 4 to 20mA and 0 to 10 volt analogue outputs, from any standard strain gauge input. 1 pass calibration and setting of the analogue output range, make the unit extremely user friendly; being set up by a simple hand held or on board programmer/display. Auto Tare and Peak Hold (if set) on the analogue output are operated via volt free contact closures, and output options include relay set points programmed in engineering units, with in flight compensation and hysteresis settings are available for control or alarm purposes.

The LCA20 features RS232 and RS485 digital data output for communications and printing, and firmware now supports Mantrabus 1&2, Mantra ASCII 2 and Modbus RTU. Printing can be actioned by a contact enclosure, and the printer can print the current live value, with header message, engineering units, auto incrementing batch number and in real time if required (using a printer with time/date facility)

The LCA20 also enable selection of device parameters via a PC or keypad rather than using the traditional on-PCB switches.

Specification :