

# Type 135 RS485 Load Cell Amplifier

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## Type 135 RS485 Load Cell Amplifier

### DESCRIPTION

The Type 135 RS485 Amplifier is ideal for applications requiring a number of distributed strain measurements from any full bridge strain sensors (load cell, pressure transducers, strain gauges, Bolt-on etc)...

### FEATURES

The Type 135 is designed for use with either customer's software or the Datum Net Display Software; the transmission protocol is available for developers wishing to configure their own software interface.

### NETWORK UP TO 50 LOAD CELLS

The Type 135 and Type 136 Load Cell Amplifiers are able to network up to 50 load cells with the added ability of logging to a PC or laptop with suitable logging software.

### NETDISP SOFTWARE

The Datum Electronics NetDisp software is a Windows™ PC based software package, designed to gather data from up to a total number of 50 Load Cells, connected to an RS485 Network via Datum Electronics Type135 , RS485 Network Strain Gauge Amplifiers.

Each Load Cell on the Network is individually calibrated to give an output in Kg. The software package sequentially reads the current load value from each cell and processes all load values to provide Display and Group Sum functions.

The software allows for the load value of groups of cells to be summed together to give a total load for the group. This Total Load is treated in the same way as Individual Cell Load for display & alarm functions.

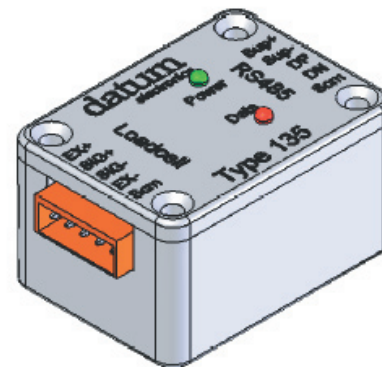
### NETDISP FEATURES

A "Standard NetDisp" system includes up to 16 visual on screen alarms and would comprise the following components:

- NetDisplay Interface Module
- Includes regulated power supply for the networked amplifiers.
- "NetDisplay" software Disk and "End User license".
- Choice of RS485 or USB interfaces into the PC.

### ENCLOSURE

Housed within a Die Cast Aluminium enclosure, this robust amplifier is ideal for applications requiring a number of distributed strain sensors logged into a single PC with interface software.



### SPECIFICATIONS:

8-24V Supply Voltage  
 Up to 63 Nodes  
 Up to 16 Bit resolution  
 +/-3mV/V input Range available  
 128 SPS @ 12 Bit (8 SPS @ 16 Bit)  
 Self contained unit with Power and Data LED indication or PCB  
 Baud rate configurable from 4,800 to 57,600

### TYPE 135 LOAD CELL DIMENSIONS

