

Model SY016

Digital load cell amplifier

- Accepts upto 4 350 Ohm load cells
- Calibration stored in non-volatile EPROM
- RS485 or RS232 output (specified)
- 12VDC power supply
- User configurable by serial data connection
- Differential input for bipolar operation



Specifications

Power Supply	12VDC @52mA (excluding 350R loadcell current)
Resolution	1,048,576 counts
Readings per sec	400 (Limited by serial port transmission speed. Full resolution available at all times)
Bridge Excitation	8V
Compensated temperature range	+10 to +70°C
Connections	9 pin din for data & power, load cell by way of 4 way terminal block.
Data transmission standard	RS485 (RS232 if preferred) defined on ordering.
Baud rate	Jumper selectable 115K2, 19K2, 9600 or 2400
Max cable length	1200m on RS485, 15m on RS232
Size	PCB 40x55mm can be mounted by fixing pillars through corner holes or cased.
Cased version	CAN style aluminium case 43x62x33mm with mounting lugs

Other items in our electronics range include Digital indicators, Batch controllers, Boxed load cell amplifiers, Power supplies, Load cell simulators, data acquisition cards and the ability to provide specialist design and low volume manufacturing.