

## Load Cell Amplifier



## Features

- ◆ High precision weighing with 24 bit resolution.
- ◆ 10-32vdc or 110-240vac power supply models.
- ◆ Display resolution of up to 100,000 divisions.
- ◆ Bright OLED display for easy viewing in all light conditions.
- ◆ 3 volts free relay contact outputs and 2 configurable digital inputs.
- ◆ DIN rail mounting or rear of panel.
- ◆ Configurable 4-20mA, 0-20mA, +/-10v, +/-5vdc, 0-5vdc & 0-10vdc analogue output with 16 bit resolution.
- ◆ USB and RS232 Serial port.
- ◆ Real time clock.
- ◆ Capability to monitor and alarm individual load cell faults including out of range, out of balance and cable break faults via the on board CAN bus interface when used in conjunction with the Intelligent load cell Junction box.

## Options

- ◆ DIN rail mount or stainless steel (IP66) enclosure.

## Description

The Target 260S is a high precision load cell amplifier with weight display. It offers a choice of communication interfaces for most industrial weighing applications. The Target 260S is housed in an IP65 glanded plastic enclosure. The simple keypad allows for easy set up, with all settings stored in memory. The Target 260S is supplied as standard with 3 configurable volts free outputs and 2 digital inputs for control.

# Engineering specifications

## Target 260 S load cell amplifier

### Housing

ASA-PC IP65 BS EN60529, with cable glands fitted.

### Display

Bright OLED, 256x64 pixel display.

### Dimensions

174 x 120 x 37mm, fixing holes 162 x 88 x 4,5mm dia.

### Supply voltage

10-32 vdc or 85-264vac (10W) internally fused.

### Inputs and output

2 x Digital TTL inputs rated at upto 48vdc.

3 x Relay-contacts rated upto 240vac 1A resistive.

on board 24vdc 50mA isolated power supply.

RS232 port, baud rate 2400, 4800, 9600, 19200, 38400 and 115200.

### Environmental conditions

Operation: -10°C to +50°C, Storage: -40°C to +70°C.

### Weight

800g.

### Load Cell Excitation

5vdc @ 300mA up to 8 off 350Ω or 16 off 700Ω cells.

or 4 off 350Ω/700Ω with the IT Junction box.

Connection for 4 or 6 wire with voltage sense.

### Accuracy

+/-3ppm/°C (-10°C to +50°C)

### Analogue output

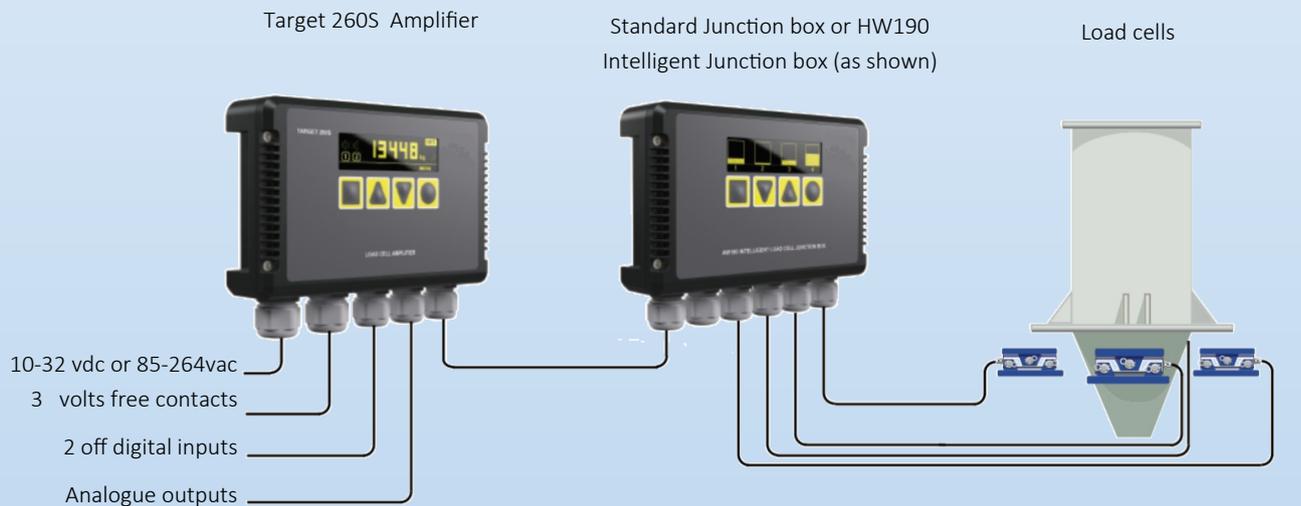
Configurable 4-20mA, 0-20mA, 0-10vdc, 0-5vdc

+/-10vdc or +/-5vdc isolated from the supply,

16 bit resolution, drift 5ppm/°C (-10°C to +50°C).

### Part Numbers

Part Number	description
HW260/S0000	Target 260S load cell amplifier 24vdc (10-32vdc) supply
HW260/S0001	Target 260S load cell amplifier 85-265vac supply



The Target 260S will display error messages for cable break and when used in conjunction with the HW190 Intelligent load Cell junction box each load cell can be individually monitored for error or fault conditions. These are displayed on the Target 260 screen. These faults include Cable breaks, Over/ Under range and Out of Balance loading on the cells.

The Target 260DS is supplied with a stainless steel mounting plate for ease of installation. The Target 260S load cell amplifier is also available in a DIN rail mounting enclosure.

