



Target 260D

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 AW Intelligent load cell Junction box.

Options

- Surface mount (IP65) or stainless steel (IP66) enclosure.

Description

The Target 260D is a high precision load cell amplifier with weight display. It offers a choice of communication interfaces for most industrial weighing applications. The Target 260D can be mounted directly to DIN rail or inside a control cabinet. The simple keypad allows for easy set up, with all settings stored in memory. The Target 260D is supplied as standard with 3 configurable volts free outputs and 2 digital inputs for control.

ENGINEERING SPECIFICATIONS

TARGET 260® LOAD CELL AMPLIFIER

Specifications

Housing

ASA-PC with DIN rail brackets. Plug in connectors.

Display

Bright OLED 256x64 pixel display.

Dimensions

174 x 120 x 37mm, fixing holes 162 x 88 x 4.5mm dia.

Supply voltage

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

Inputs and output

2 x digital TTL inputs rated at upto 48vdc.
3 x Relay contact rating 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

420g.

Load Cell Excitation

5vdc @ 300mA up to 8 off 350Ω or 16 off 700Ω cells.
or 4 off 350Ω / 8 off 700Ω with the IT Junction box.
Connection for 4 or 6 wire with voltage sense.

Accuracy

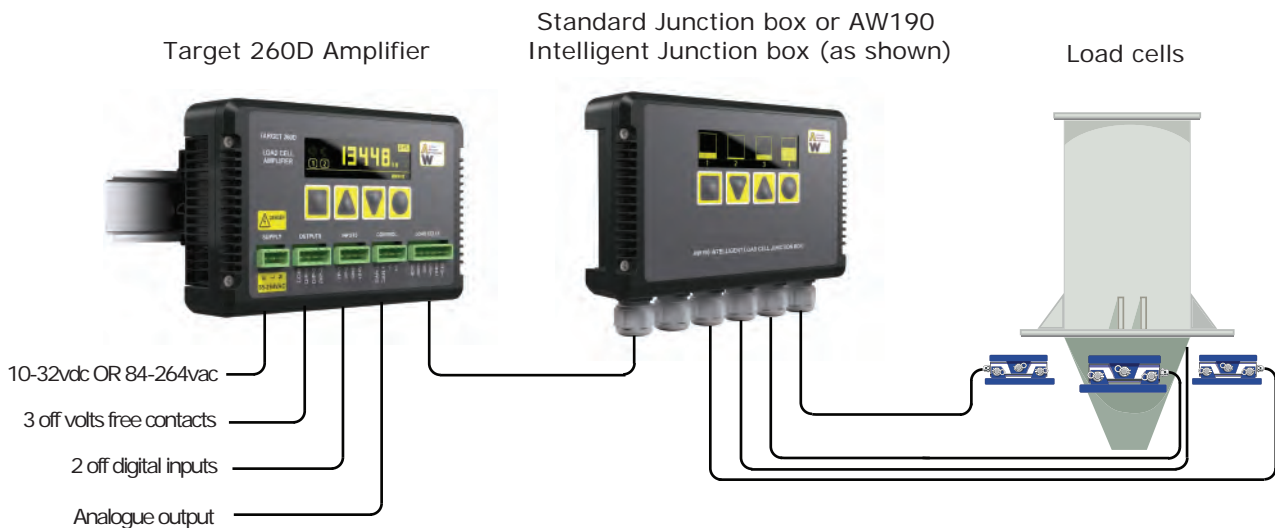
+/-3ppm/°C (-10°C to +50°C)

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

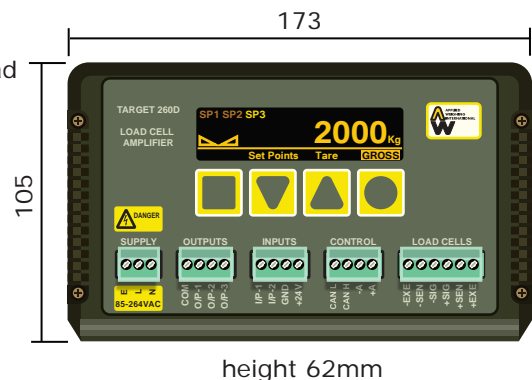
Part Number	Description
AW260/D0000	Target 260D load cell amplifier 24vdc (10-32vdc) supply
AW260/D0001	Target 260D load cell amplifier 85-265vac supply



The Target 260 will display error messages for cable break and when used in conjunction with the AW190 Intelligent Load Cell junction box each load cell can be individually monitored for errors 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 260D is supplied with DIN rail mounting clips or it can be directly mounted onto a back plate.

The Target 260 load cell amplifier is also available in a Surface mount IP65 enclosure.



Refer to installation documents before use.

In the interest of continued product development, Applied Weighing reserves the right to alter product specifications without prior notice. **APPLIED WEIGHING INTERNATIONAL LIMITED, Caversham, Reading, England RG4 5AF** 'Applied Weighing', 'TARGET 260' & the 'AW' logo are registered trademarks of Applied Weighing International Limited.

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