



Target 260A[®]

Load Cell Amplifier & ABS Enclosure



Shown with optional clear lid.

Features

- High precision weighing amplifier with 24 bit resolution.
- R76 Weights and Measures approved.
- Display resolution of up to 100,000 divisions.
- 10-32vdc or 110-240vac power supply models.
- Bright OLED display for easy viewing in all light conditions.
- 3 volts free relay contact outputs and 2 configurable inputs.
- Configurable RSR232, 4-20mA, 0-20mA, $\pm 10v$, $\pm 5vdc$ & 0-10 vdc analogue outputs with 16 bit resolution or optional communication interface cards.
- 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.
- Designed and manufactured in the UK.

Options

- Ethernet TCP/IP, Profibus, Profinet, EtherCAT, Ethernet IP and Modbus outputs.
- DIN rail or surface mount.

Description

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

ENGINEERING SPECIFICATIONS

TARGET 260A® LOAD CELL AMPLIFIER

Specifications

Housing

ABS IP65 glanded enclosure with plain or clear lid.

Display

Bright OLED 256 x 64 pixel display.

Dimensions

200 x 120 x 75mm, fixing holes 188 x 89 x 4.5mm dia.

Supply voltage

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

Inputs and output

2 x Digital TTL inputs rated at up to 48vdc.
 3 x Relays - contacts rated upto 240vac 1A resistive.
 On board 24vdc 80mA 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/700Ω with the IT Junction box.
 Connection for 4/6 wire with voltage sense, or via the
 CAN bus/24vdc when used with the IT Junction Box.

Accuracy

±3ppm/°C (-10°C to +50°C)

Analogue output

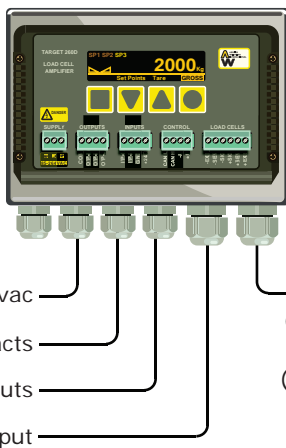
Configurable 4-20mA, 0-20mA, 0-10vdc, 0-5vdc
 ±10vdc or ±5vdc. Isolated from the supply,
 16 bit resolution, drift 5ppm/°C (-10°C to +50°C).

PART NUMBERS

OPTION CARDS

Part Number	Description	Part Number	Description	Part Number	Description
AW260/A0000	Target 260A dc (10-32vdc)	AW260/00100	RS232 & Analogue card (fitted as standard)		
AW260/A0001	Target 260A ac (85-265vac)	AW260/00010	Ethernet TCP/IP	AW260/00020	Profibus DP
AW260/A0100	Clear lid for Target 260A	AW260/00030	Ethernet IP Dual	AW260/00040	Profinet
		AW260/00050	EtherCAT Dual	AW260/00060	Modbus Dual

Target 260A® Amplifier



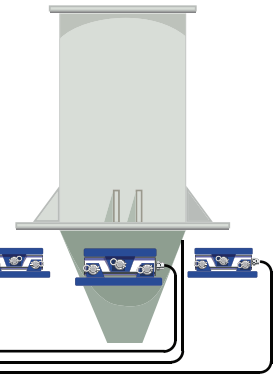
10-32vdc or 84-264vac
 3 off volts free contacts
 2 off digital inputs
 Analogue output

Standard Junction box or AW190
 Intelligent Junction box (as shown)



Cable length up to 200 meters (refer to manual)

Load cells

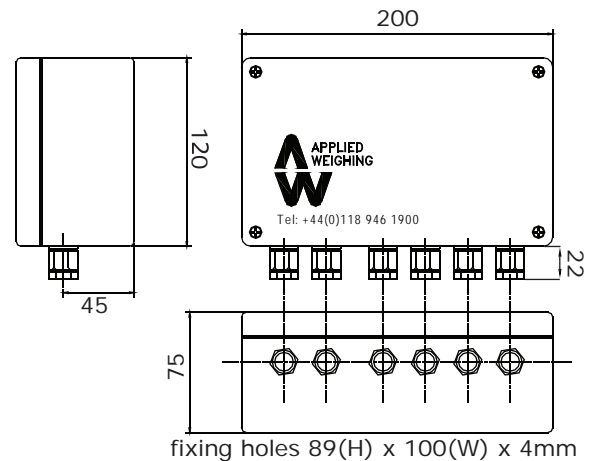


The Target 260A® will display error messages for cable breaks, over/under range and out of balance loading on the load cells.

When used in conjunction with the AW190 Intelligent Junction Box, individual load cells can be monitored.

Up to 8 AW190 Intelligent Junction Boxes can be monitored (32 load cells) by a single Target 260A® - external power supply required.

The Target 260® is also available in DIN rail or surface mount options.



fixing holes 89(H) x 100(W) x 4mm

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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