



Taskmaster® 780S

Weigh Controller

Applications

- Single scale weight indicator
- Multi scale weight indicator
- Batch weigher
- Check weigher
- Plant control & automation

Features

- High precision weighing and process controller with 24 bit resolution.
- Display resolution of up to 100,000 divisions.
- 10-32vdc or 110-240vac.
- High resolution, full colour 7" projective capacitive touch screen LCD display.
- 3 volts free relay contact outputs, 3 digital inputs, loadcell input, 2 USB interfaces, CAN BUS interface and 2 RS232 interfaces.
- Highly configurable and fully programmable for batching and control functions.
- Real time clock and calendar.
- 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

- 3 option card slots with choice of Triple loadcell, Dual analogue output, Profibus Ethernet IP, Profinet, EtherCAT and Modbus TCP.
- Remote 8 Way Input/Output Option card, connected via CAN Bus.

Description

The Taskmaster® 780S is a high precision, highly configurable and fully programmable weight and process controller. It has a rugged, industrial design with a modern graphical display. It offers a choice of batch control and communication interfaces for most industrial weighing applications. The configuration can be carried out through the instrument and via PC application. As a standard Taskmaster® 780S is supplied with loadcell and digital inputs, relay outputs, USB, CAN Bus, RS232 interfaces and range of optional interfaces available.



ENGINEERING SPECIFICATIONS

TASKMASTER® 780S WEIGH CONTROLLER

Specifications

Housing

304 stainless steel, plastic cable glands up to IP66

Display

7" touch screen, 788 x 480 pixels, 16 bit colour

Dimensions

240w x 180h x 70 (mm) excl. mounting bracket

Weight

3.5kg

Supply voltage

10-32vdc or 85-264vac (40W) internally fused.

Inputs and output

1 x loadcell input	1 x CAN Bus interface
3 x digital inputs	2 x RS232 interfaces
3 x relay outputs	1 x 24V dc output
2 x USB interfaces	(400 mA max)

Environmental conditions

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

Load Cell Excitation

5vdc @ 150mA 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.

Loadcell Accuracy

±3ppm/°C (-10°C to +50°C)

Loadcell Input range

Configurable: ±39mV, ±78mV, ±156mV, ±313mV, ±625mV, ±1.25V, ±2.5V and ±5V

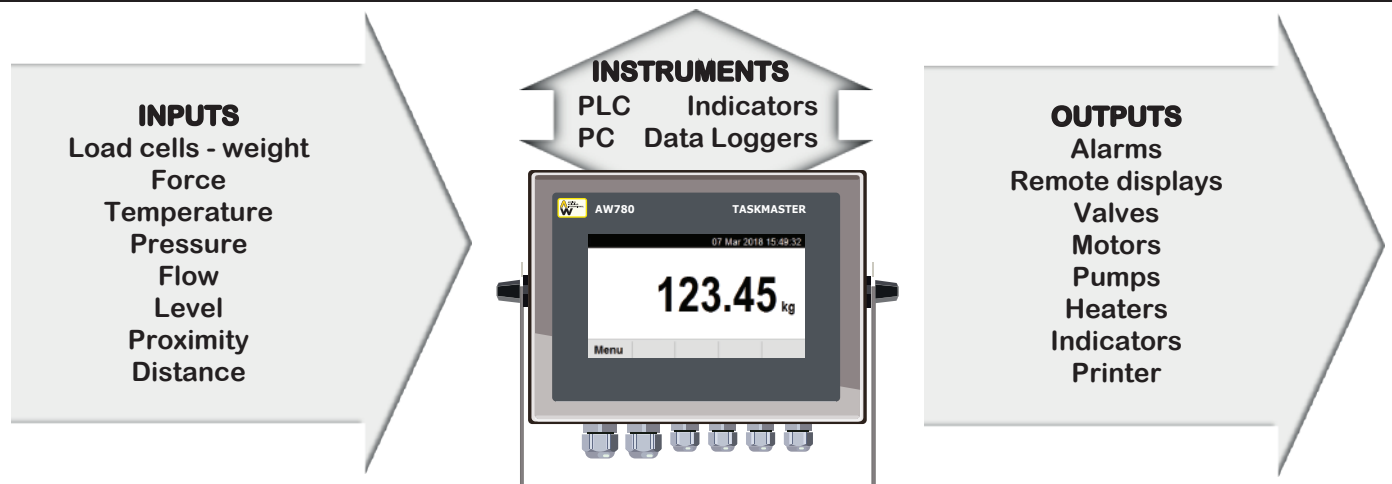
Loadcell Sample rate

Configurable: 5Hz, 10Hz, 20Hz, 40Hz, 80Hz, 160Hz, 320Hz, 640Hz and 1000Hz.

PART NUMBERS

OPTIONS

Part Number	Description	Part Number	Description
AW780/S0000	Taskmaster 780S dc (10-32vdc)	AW580/00060	Modbus TCP Option Card
AW780/S0001	Taskmaster 780S ac (85-265vac)	AW580/00080	Triple Loadcell Option Card
AW580/00020	Profibus Option Card	AW580/00100	Dual Analogue Option Card
AW580/00030	Ethernet IP Option Card	AW580/08800	Remote 8 Way IO Option Card (DC)
AW580/00040	Profinet IRT Option Card	AW580/08801	Remote 8 Way IO Option Card (AC)
AW580/00050	EtherCAT Option Card		



The AW780S includes a fully configurable touch screen with user defined soft keys, to allow the user to customise the instrument for a variety of applications.

