

FLEX 2100

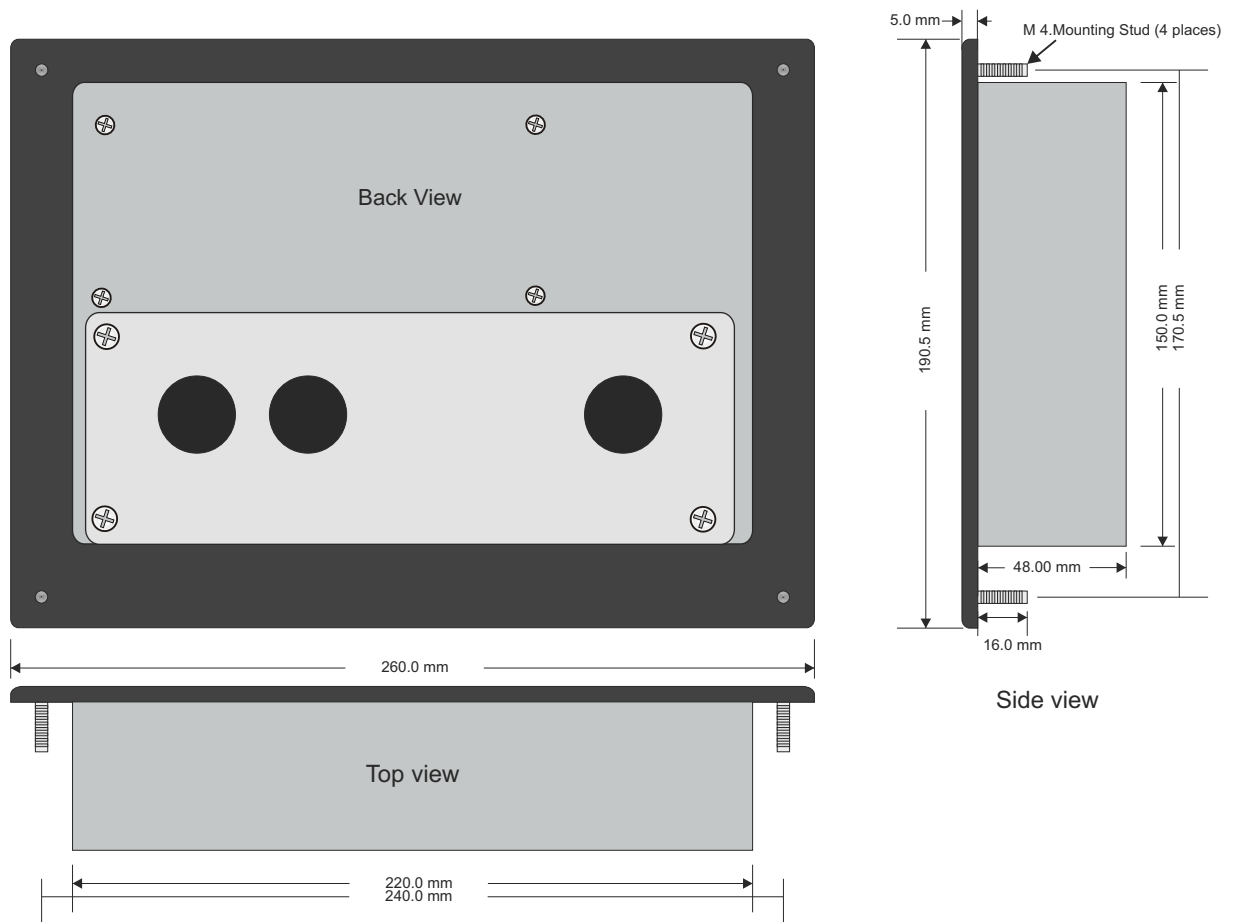
Programmable Digital Weight Controller

SENSOR
TECHNIQUES LIMITED



Programmable Digital Weight Controller, Model FLEX 2100

- Configurable 5.7 inch colour TFT touch screen
- High speed ADC, 1600 samples per second
- Unique digital filters with special 'Dynamic' settings
- Ideal for filling/dosing & check weighing applications
- 8 Digital Logic Inputs optically isolated
- 8 Digital Logic Outputs optically isolated
- RS232/422/485/Ethernet/USB/CAN-bus interfaces
- Panel mounted. Supply voltage 100-240 VAC or 24 VDC
- Fully programmable using free PI software
- Optional analogue output
- Optional PROFIBUS interface
- Optional Standard programs available



Specification

Specifications are subject to change without prior notice

Linearity	: < 0.0010 % of full scale
Excitation	: 5 VDC, capable of driving 8 load cell with 350 Ohm bridges. Passive sense
Input Signal Range	: -25mV to +25 mV range
Signal Filter	: High performance Digital Filter 1 Hz to 10 Hz. Overall Filter 0 to -50 dB
Digital Display	: 5.7 inch high resolution touch screen, TFT LCD 640 x 480 pixel, 256 colours
ADC Resolution and Speed	: 24-Bit ADC converter with up to 1600 samples per second
Computer Interfaces	: RS-232/RS-422/RS-485, Ethernet, USB and CanBus
Digital Inputs (Standard)	: 8 optically isolated logic inputs, 1 common, 18...36 VDC.
Digital Outputs (Standard)	: 8 isolated PhotoMOS outputs, 2 common, max voltage 36V AC or DC, max. 0.5 A
Temperature Effect	: Zero $\pm 2\text{ppm}/^\circ\text{C}$ and Span $\pm 2\text{ppm}/^\circ\text{C}$ of full scale
Temperature Range	: -10°C to +40°C operating, -20°C to +70°C storage
Housing	: Extruded aluminium, black powder coated body with black anodised display bezel.
Dimensions (W x H x D)	
Front	: 260 x 191 x 5 mm
Housing	: 220 x 150 x 48 mm,
Cut Out	: 224 x 154 mm
Weight	: Approx. 1.7 kg
Power Supply	: 100 - 240 VAC 50/60 Hz 15 W maximum or 24 VDC (specify when ordering)
Option Analogue Output	: 1 current output, 4-20 mA, 0-20 mA or 4 -24 mA
Optional Profibus Interface	: Profibus DP Module

DSFLEX2100-3, 11/13



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