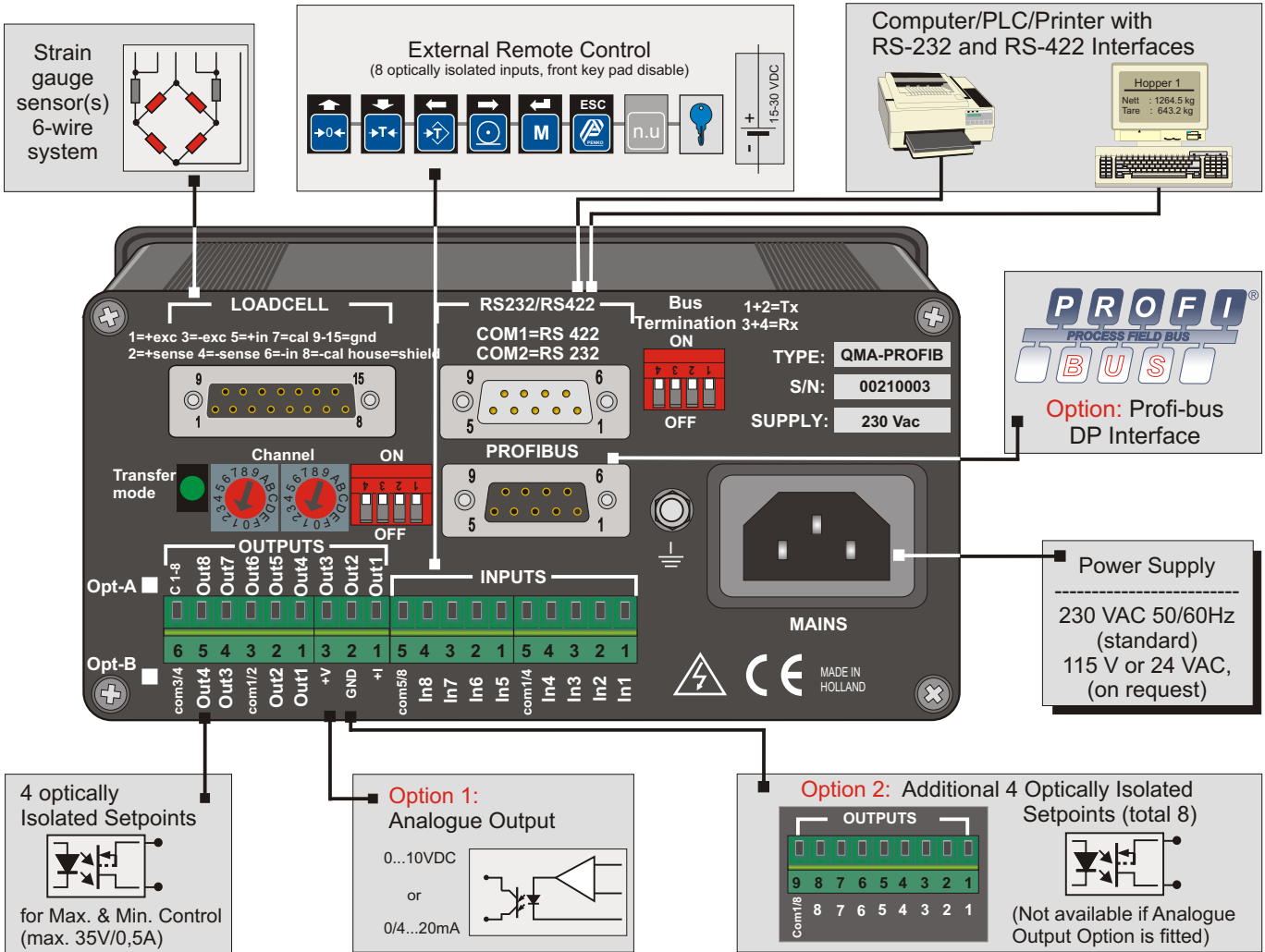


## Digital Weigh Indicator, Model QMA

- Approved to OIML for 10,000 D (1d=1uV), CE certified
- 1 to 4 load cells (350 Ohm), 1000 samples per second
- Ideal for high precision filling and dosing applications
- 4 setpoints with solid state relay outputs (up to 8 max.)
- Gross, Tare and Net functions
- RS 232 and RS 422 interface
- Analogue output 16 Bit DAC generated (optional)
- PROFIBUS interface (optional)
- 8 external key pad inputs for remote control
- Complete bi-directional control via digital interface
- PC software program with graphical presentations
- Robust Aluminium housing for Industrial environments



Specification

Specifications are subject to change without prior notice

Linearity	: < 0.0015 % of full scale
Excitation	: 10 VDC, capable of driving 4 load cell with 350 Ohm bridges
Input Signal Range	: 0...22 mV, 50/60Hz suppression > 200dB
Signal Filter	: in steps from 1...8 adjustable from 0.2 Hz to 20 Hz, low pass filter
Digital Display	: 14.2 mm LED display with a 30 segment Bar graph, freely programmable
ADC Resolution and Speed	: 20-Bit ADC converter with up to 1000 samples per second
Computer Interface	: RS-232 and 4 wire RS-422, optically isolated, 110 to 115200 Baud bus mountable, addresses from 0...255
Digital Inputs	: 8 optically isolated; 12...30 VDC Logic levels, remote external key pad control
Setpoint Outputs	: 4 optically isolated solid state relays, voltage 10...35VAC or DC, max. current 0.5 A
Temperature Effect	: Zero < 12ppm/°C and Span < 10ppm/°C of full scale
Temperature Range	: -10°C to +50°C
Housing	: Extruded aluminium, Stainless steel available by special order (different dimensions)
Dimensions	: 150 x 78 x 210 mm, Weight approx. 2.1 kg
Power Supply	: 230 VAC 50/60 Hz standard, 115V or 24 VAC on request
<u>Options:</u>	
Profibus Interface	: Profibus DP Module
Option 1: Analogue Output	: 0...10V or 0/4...20/24mA, 16 Bit DAC, freely programmable, Gross, Tare, Nett, Maximum or Minimum values.
Option 2: 4 Additional Setpoint Outputs	: 4 additional optically isolated solid state relays, 8 relays in total, Voltage range 10...35V DC or AC max. current 0.5 A (Not available with Analogue Output option)

DSQMA-1, 05/09

**SENSOR**

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Precision Load cells  
Accessories and Mountings  
Measuring Instruments and Systems