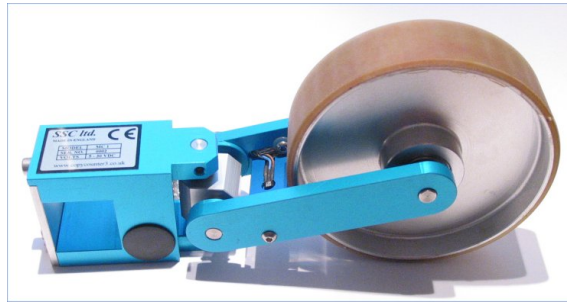


Installation Manual for Metrecount 1 (Model MC1):



NB: Before connecting the Metrecount 1 sensor please ensure that you have read and understood the following instructions: This is a precision engineered sensor and should be handled with care.

Mechanical Installation:

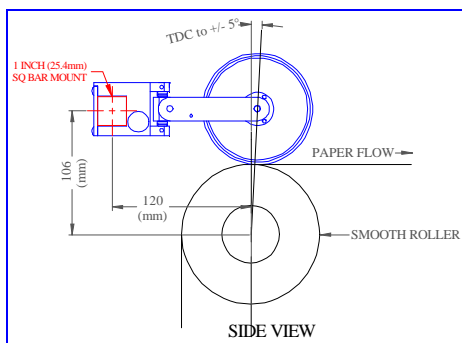


Fig. 1.

- The 1inch (25mm) square section bar must be parallel to the roller chosen.
- If necessary the Metrecount sensor can be mounted at an angle of up to 45 degrees from horizontal.

Electrical Installation:

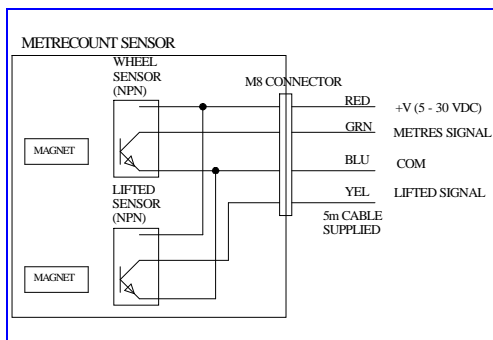
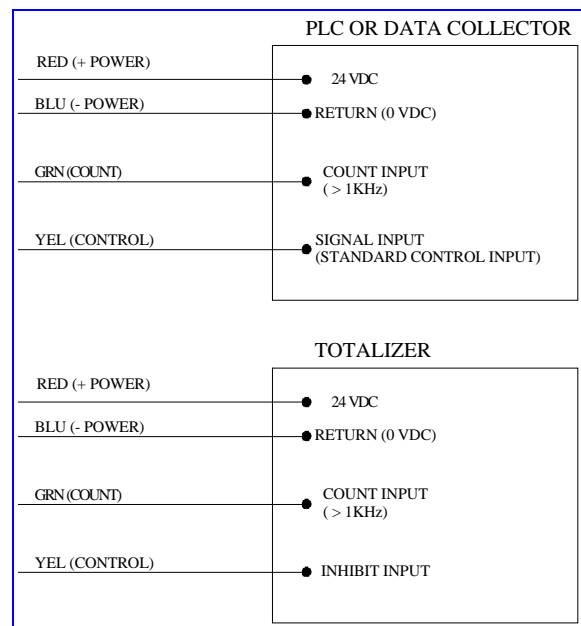


Fig. 2

Wiring:

- Red - +V supply (5 to 30 VDC), 5mA
- Green - Signal NPN, connect to counting device, 10 pulses per metre.
- Yellow - Signal to indicate on when Metrecount has been lifted away from paper.
- Blue - return 0 VDC.

Electrical Connection:



Technical Information:

- Contact weight: 200g
- Contact pressure: 4 gm/mm sq
- Diameter: 300mm
- Counts: 3 per rotation
- Pulses per metre: 10
- Accuracy: +/- 0.15%
- Accuracy with calibration factor (marked on wheel): +/- 0.05%
- Life expectancy of wheel: 3 years normal wear and tear. To maintain best calibration return unit for re-calibration every 2 years.
- Power: 5 mA, 5 to 30 VDC
- Count signal: 1 to 50 mA, 5 to 30 VDC
- Lifted signal: 1 to 50 mA, 5 to 30 VDC

NB: For best accuracy to compute length (L): use the number of pulses (P), divide by ten and multiply by the calibration number (C) on the side of the wheel.

$$L = P * C / 10$$