

A/J 210

FLUID MONITOR



FEATURES

- Advance Technology and simplicity.
- Protection Structure IP 65.
- Password Protected Meter.
- Display Total + Flow Rate.
- Cost effective.
- Lower installation and maintenance cost.
- One relay for Flow Control operation.

GENERAL DESCRIPTION

A/J 210 electronic flow monitor are high speed micro- controller based units with a high resolution back-lit display. By using front panel tactile keys, one can view / program different parameters A-210 / J-210 is a Digital Rate Indicator and Totaliser suitable for VATS sensors or others giving pulse output of 200 Hz max. A/ J-210 one can read the flow rate in LPH, M³ / Hr only and corresponding Total reading in Litre or M³ only. Our IP 65 grade enclosures make our flow meter versatile on both Panel & Field uses Along with these two consecutive displays these monitors also have relays to operate in various modes such as: Batcher, Pulser, and Rate Switch

TECHNICALS

Technical Data		Electrical Connection ratings	Material
Function:	Totalizer	Power supply: 230 V AC +/-10%, 50 Hz	Meter Housing: Poly Carbonate
	+Flow Rate +Relay		protection: IP-68
Accuracy:	+/- 2% of Full Scale	Input: From VATS Sensor	weatherproof Enclosure
Repeatability:	+/- 0.5 % of full range	Display: 7 Digits for Total	
		4 Digits for Flow Rate	Meter Size (mm): A 210: 105 *120
Mounting:	Field/Panel	C able Type: 2 Core PVC Shielded	J 210:72*72*100 mm

APPLICATIONS

- water treatment*
- agriculture*
- construction*
- paper and pulp*
- food and beverages*
- Waste water*
- power*
- textiles*

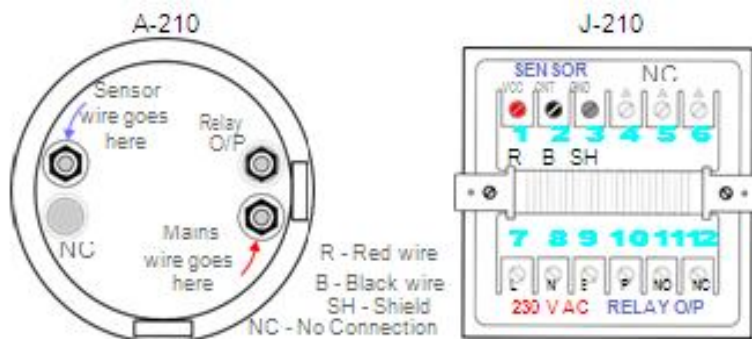
CALIBRATION

Scale factor: - Scale factor is a value, meaning amount of the liquid in engineering unit to one pulse generated by sensor.

Recalibration: - Suppose actual total is 10 liters. But indicate valve on display is 9.8 liters.

$$\text{New Scale Factor} = \frac{\text{Measured Qty/ Flow Rate}}{\text{Displayed Volume /Flow}} \times \text{Existing Scale Factor}$$

WIRING-BACK SIDE OF METER



POINTS AND PRECAUTIONS TO BE NOTED:-

Ensure proper connection of mains, wrong connection may spoil the meter. While extending the cable, use recommended type only, with proper insulation. Avoid noise interference. Do not pass the sensor wire parallel to power cable. If this is unavoidable - pass the sensor cable through noise protected tray

Straight Run condition given in manual must be maintain while installation

Use of filter before Flow meter is necessary

Flow must be full bore constant i.e. pumping pressurized flow.

For vertical installation only upstream flow is recommended.

Flow Meter should be installed before valve.

Y type strainer is must for recommend result.

Flow rate range should match as per our given line size & flow rate range selection table.

