

A/J 110

ULTRA FLOW RATE INDICATOR



FEATURES

- Advance Technology and simplicity.
- Protection Structure IP 65.
- Password Protected Meter.
- Flow Rate only.
- Cost effective.
- Lower installation and maintenance cost.

GENERAL DESCRIPTION

A/J 110 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-110 / J-110 is a Digital Rate Indicator suitable for VATS sensors or others giving pulse output of 200 Hz max.A/ J-110 one can read the flow rate in LPH, M³ / Hr only and corresponding. Our IP 65 grade enclosures make our flow meter versatile on both Panel & Field uses.

TECHNICALS

Technical Data		Electrical Connection ratings		Material	
Function:	Flow Rate	Power supply: 230 V AC +/-10%, 50 Hz		Meter Housing:	Poly Carbonate
Accuracy:	+/- 2% of Full Scale	Input:	From VATS Sensor	Protection:	IP-68
Repeatability:	+/- 0.5 %	Display:	8 Digits Alphanumeric LCD with Backlit	weatherproof Enclosure	
Mounting:	Field/Panel	Cable Type:	2 Core PVC Shielded	Meter Size (mm): A 110: 105 *120 J 110:72*72*100 mm	

APPLICATIONS

water treatment

agriculture

construction

paper and pulp

food and beverages

Waste water

power

textiles

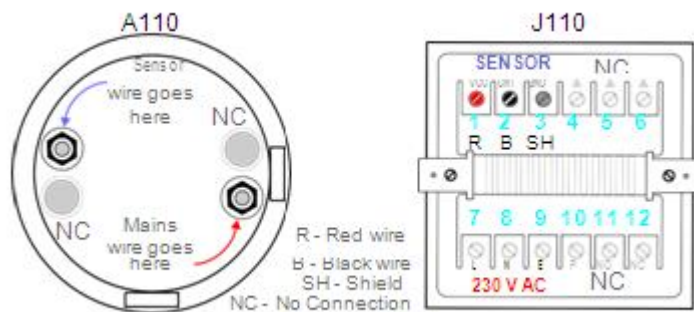
CALIBRATION

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.

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

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.

