ALPHA ENGINEERING AND SYSTEMS

GAS FLOW TOTALIZER

- This is suitable for measurement of mass flow of gases.
- The unit displays instantaneous mass flow rate and totalized mass of gas.
- It computes instantaneous density from instantaneous pressure & temperature signals & computes the mass flow as per guide lines from BS1042 / ISO:5167. As per standard, the equation for when measured with orifice states:

Qm = $\sqrt{\rho}.\sqrt{\Delta}$[sq.root of density x sq root of Δp]

Where, Qm = mass flow rate

P = instantaneous density

Δp = differential pressure

Features:

- Elegant, easy to operate keypad
- Password protection on all programming modes { except display mode} to avoid wrong programming by an unauthorized person.
- Printer interfaces to print online date OR saved data (Optional feature).

SPECIFICATIONS:	
Computer interface to supervisory computer through RS – 232 or RS – 485 communication link.	
Mounting	**: Wall mounting / Panel Mounting.**
Power Supply	**: 85 to 265V AC, 50Hz, Single Phase**
Accuracy	**: +/-0.25% of full scale.**
Pressure Range	**: 1 to 50 kg/cm2 (g) or Bar(g) max - Programmable**
Flow Type	**: Compensated / Uncompensated, Programmable**
Enclosure	**: Al Die cast / ABS Plastic**
Separate terminals are provided for both types of inputs.	
Dimension - WM Type	**: 310(L) X 160(W) X 105(D)**
Dimension - PM Type	**: Bezel 144mm(H) x 72mm(W) Cutout 138mm(H) x 68mm(W) Max depth 185mm**
Data logging	**: Approx readings: 3000 for normal logging & Approx 5500 readings for extended logging.**