

AGS1135X-AO-VFP Flow Monitor / Controller

- 2 year warranty as standard
- British Design & Manufacture

TYPICAL APPLICATION

- Flow monitor / Controller

TECHNICAL SPECIFICATION

FUNCTION

Monitors the flow rate and outputs two 4-20mA signals proportional to the total flow for two inputs. Internal programmable clock reset the count cycle every 24 hours at user determined time.

For the pulse input option each pulse is counted in to a total and the percentage of that total compared to the flow ratio and is then transmitted as a 4-20mA signal.

When the analogue signal input is selected the 4-20mA signal is re-transmitted as an isolated 4-20mA output signal.

INPUT

1: Choice of either, volt free pulses representing one litre per pulse from flow meter or an analogue 4-20mA signal.

2: Choice of either, volt free pulses representing one litre per pulse from flow meter or an analogue 4-20mA signal.

OUTPUT

1: Non-Isolated repeat of Input 1 via volt free contacts.

2: 4 -20mA representing either percentage of total flow for pulse input or isolated repeat if analogue input selected. Maximum drive 550ohms.

3: Non-Isolated repeat of Input 2 via volt free contacts.

4: 4 -20mA representing either percentage of total flow for pulse input or isolated repeat if analogue input selected. Maximum drive 550ohms.

CONTROLS

5 x push buttons for user Interface.

INDICATOR

Power ON: Amber LED.

2x 16 Display with back light

PERFORMANCE

Accuracy: $\pm 0.1\%$ (output Span)

Limit settability: better than $\pm 0.1\%$

Resolution: FS =999 pulse

Power consumption: <3VA



PROTECTION

Enclosure IP65

Isolation 1000V RMS. Inputs/Output/Supply/Earth

Internal Fuse.

Retain Settings on loss of power.

Maintains Time on loss of power.

4 digit password protection.

DISPLAY (LCD Display, 2 x Lines of 16 characters)

Time, Total flow & Limit Set point for Input 1 and 2.

USER SETTING

Time, Flow Ratio, Reset Time, Password, Factory Reset and Input Source.

Every setting is password protected.

REAL TIME CLOCK

HH:MM:SS

ENVIROMENTAL CONDITION

Storage temperature: - 40 to +70 °C

Operating Ambient: -15 to +55 °C

Relative Humidity: 5 to 95% RH

MOUNTING AND FIXING

Dimension: TBC

SUPPLY

24Vdc $\pm 2.5V$