

RATIO MONITOR AND FLOWRATE INDICATOR / TOTALISER

Fluidwell F114

Product features

- six formulas to calculate the ratio
- flowrate / totaliser for each flow
- high / low flow alarms can be set
- digital filter to stabilize reading
- low flow cut-off
- alarm ignore time
- 4-20mA output proportional to flowrate
- pulse output in relation to total flow A or flow B
- Intrinsically Safe option

Operator Information

- ratio
- flowrate flow A and B
- two alarm set-points ratio
- total flow A and B - resettable
- measuring units

Description

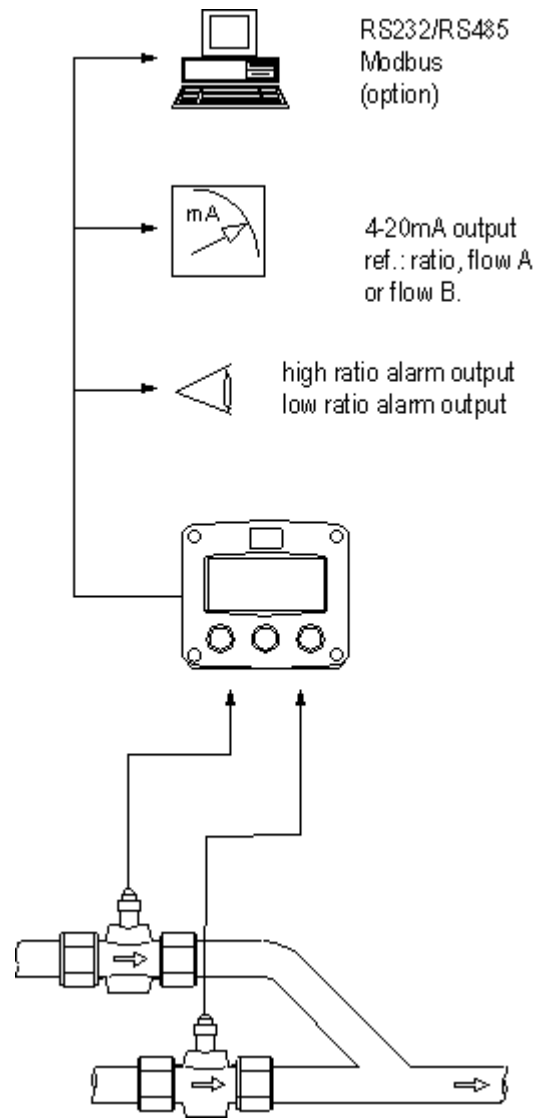
The main function of Model 0114 is to display and monitor the ratio between two streams. Six formulas can be selected to indicate the position of the flowmeters and the desired ratio calculation.

The relationship between both flows can be expressed as a ratio or as a percentage. The 0114 can be set to display the ratio in the range of 1 : 00.001 to 1 : 99999.

The flowrates and totals of flow A and B are displayed after pressing the select key.

The ratio monitoring feature offers the facility to set high, high-high, low or low-low ratio values. If desired, a "delay function" can be set up to allow for an incorrect ratio for a short period of time, especially during start-up or shut-down situations. The low flow cut-off prevents false alarms when both flows are zero. The relay outputs are linked to an alarm set-point, so a high / low alarm can be triggered alerting other devices. During alarm condition, a clear alarm message is displayed on-screen and the relevant relay output is switched. The analog output signal can be set to transmit the ratio, flowrate A or flowrate B.

With option "XI" the units can be used in hazardous areas: to classification EExialIBT4. Note: further options are also available.



Signal Input

P Pulse, coil, Namur **U** (0)2-10V
A (0)4-20mA

Options

CB RS232 - Modbus	PF 12-24V AC/DC + EM-relays
CH RS485 - Modbus - 2-Wire	PG Option PF with backlight
CI RS485 - Modbus - 4-Wire	PL Input loop-powered
GI Isolated 4-20mA output	PM 80-240V AC + EM-relays
HB Panel mount	PN Option PM with backlight
HD ABS casing	XI Intrinsically safe
IC Three control keys	XD EExd enclosure - 1 key
PA Battery powered	XF EExd enclosure - 3 keys



Standard:
Panel-mount casing IP 65

Option HD:
ABS wall-mount casing IP 65



Option HA:
Aluminium casing IP 67