

WFC/5 FREQUENCY TO CURRENT CONVERTER

The WFC/5 converts the pulsed output from your flowmeter into an analogue 4-20mA or 0-10V signal.

Easy to Use ✓

Quick and easy to install
Preset to your requirements

Highly accurate ✓

Monitor consumption and flow rates
Improve your process
Reduce costs and waste

High quality manufacture ✓

High reliability
Immunity to electrical noise
ISO 9001 certified manufacturer
Weatherproof enclosure



Application

The WFC/5 will convert a pulsed flowmeter signal into an analogue signal for instruments such as PLC's, computers, flow controllers, chart recorders, indicators or moving coil meters.

Installation

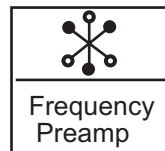
The weatherproof, insulated, impact and chemically resistant enclosure allows the instrument to be installed almost anywhere. It can be mounted in a panel or on to a wall via integral holes in the case.

Instrument Function

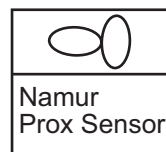
The WFC/5 will accept any pulsed signal from a flowmeter. It provides you with two analogue outputs of 4 - 20 mA and 0 - 1 mA. An unscaled (one to one) 5 V TTL pulse can also be used for instruments requiring a square wave pulsed input. The instrument has a DC power supply for sensors.

INPUT

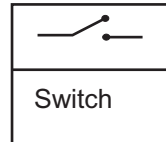
Peltflo
Turbine



P.D. Flowmeter
Lowflo



PT

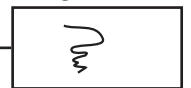


OUTPUT

Computer

PLC

Analogue Recorder



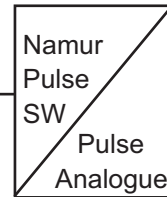
Digital Indicator

345.78

Analogue
Indicator



WFC/5



APOLLO

WFC/5 FREQUENCY TO CURRENT CONVERTER

Specification

Construction:

Protection: IP65
Materials: Polycarbonate with rubber gasket
Mounting: Screws via holes in the base corners
Weight: 0.7 kg

Power input: 110 or 230 V a.c.

Power output: +24V DC unregulated 60mA
or +8.2V d.c. 12mA
and +5V d.c. 30mA

Connections: PCB mounted screw terminals
via a weatherproof cable gland

Input Signals: Frequency range 0 to 3 kHz

1. Preamplifier:

Sensitivity: low level <8mA
high level >11mA

Input max: 3.0V 100mA

2. Proximity sensor:

Sensitivity: low level <1mA
high level >3mA

3. Pick-off coil:

Input min: 10 mV RMS at 100Hz
45mV RMS at 3kHz

Input max: 5V RMS

4. Switch closure:

Energising voltage: 5V
Energising current: 10 mA DC

5. Voltage pulse:

Sensitivity: logic low <1V
logic high >2.5V

Input max: 40V

Output: 0-1 mA into 16K
4-20mA or 0-20mA into 800

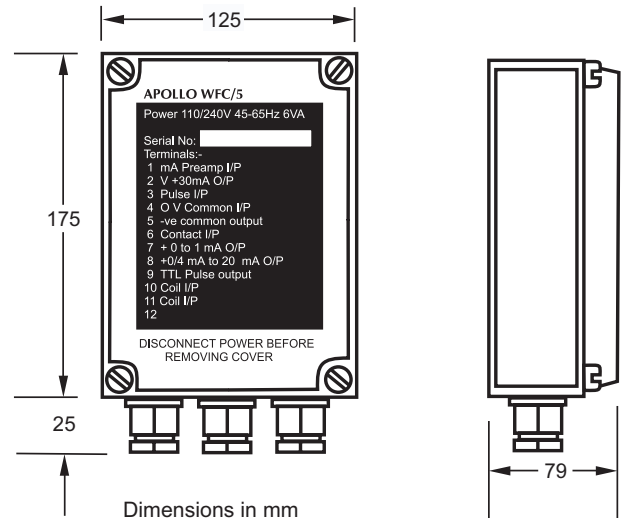
Response time: Approx. 400msec to 60%

Linearity: 0.15%

Turndown: 25:1 over frequency

Temp coefficient: 0.015%/°C

Dimensions



Contact our flow measurement specialists for **FREE** advice on your application

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website www.apolloflow.co.uk

The expert advice and the calls are **FREE**
So call now!

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