PULSITE-LINK

PULSE AND ANALOG CONVERTER
SOFTWARE PROGRAMMABLE

imsystem
Technologies for Automation

Titan's programmable **Pulsite Link** allows the user to convert standard pulse output flow meters to give linearised analog and NPN/PNP outputs.

The device will accept both pulse and reed switch devices and provides 5Vdc to the installed flow meter.

Titan's Interface Software allows the user to configure and test the system via USB and a computer. Calibration data can be entered in order to linearise the flowmeter signal for greater accuracy.

The Pulsite Link offers NPN, PNP pulses and analog output of 0-5Vdc / 0-10Vdc or 4-20mA and the ability to configure flow alarm outputs.

IDEAL FOR

- Integration for PLC
- Increased accuracy on mechanical device
- Data monitoring
- Test rigs
- Control systems

Ordering code

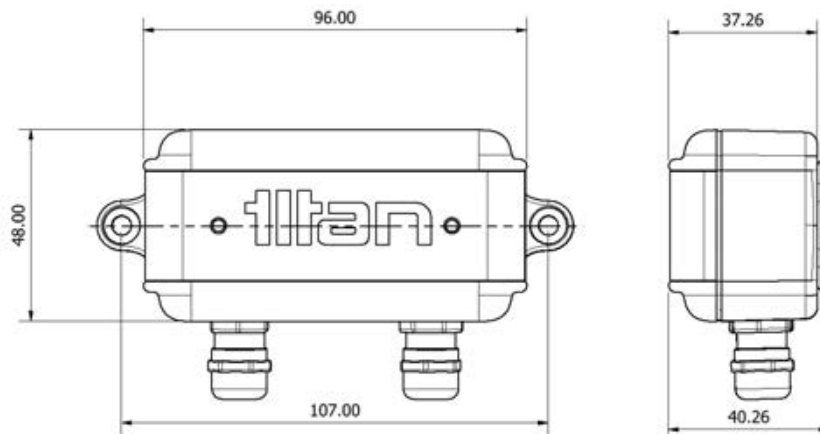| Pulsite Link (Pulse and Analog Converter) |
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| 370-008 |

FEATURES

- Outputs: 4-20mA (active), 0-5Vdc or 0-10Vdc, NPN and PNP logic direct outputs
- Inputs: Pulse or Reed switch inputs
- Inbuilt sensor power supply (+5Vdc)
- Analog response rate from 100ms
- Inbuilt Linearisation
- User programmable settings
- Software indication for system set up
- Configurable flow alarm outputs
- LED indicators
- 0-65°C
- IP64 Enclosure
- Wall mounting brackets

TECHNICAL SPECIFICATIONS

Power	15-24Vdc	Regulated
Input	Pulse Reed Switch	(0.2 to 10kHz) (0.2 to 100Hz)
Output	Pulse NPN/PNP 0-5Vdc / 0-10Vdc 4-20mA	10kHz pull up/down resistor required 24V@20mA max. Scalable pulse per litre 7bit; Adjustable flow range 8bit; Adjustable flow range
Response Time	Analog Pulse	100ms, 1s or 10s option in software to 100us (configuration dependant)
Pulse Output	3 types pulse width	Frequency 50:50; Direct 50:50; Direct fixed width
Linearisation	With 6 point calibration data	±0.1%
Sensor Supply	5Vdc	50mA max room temperature. (25mA at high temperature)

Flowmeter Input with 5Vdc
sensor power
(Pull up resistor required)

NPN and PNP Pulse Output
(Pull up/down resistor required)

USB Connection for
Software configuration

Analog Output Terminals

Main PSU to Pulsite Link
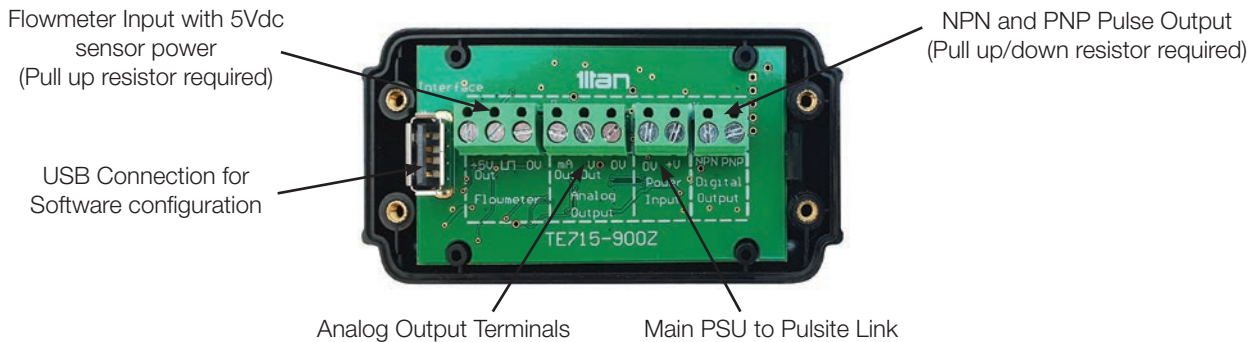
Titan's Interface Software supplied with device allows the user to configure multiple outputs.