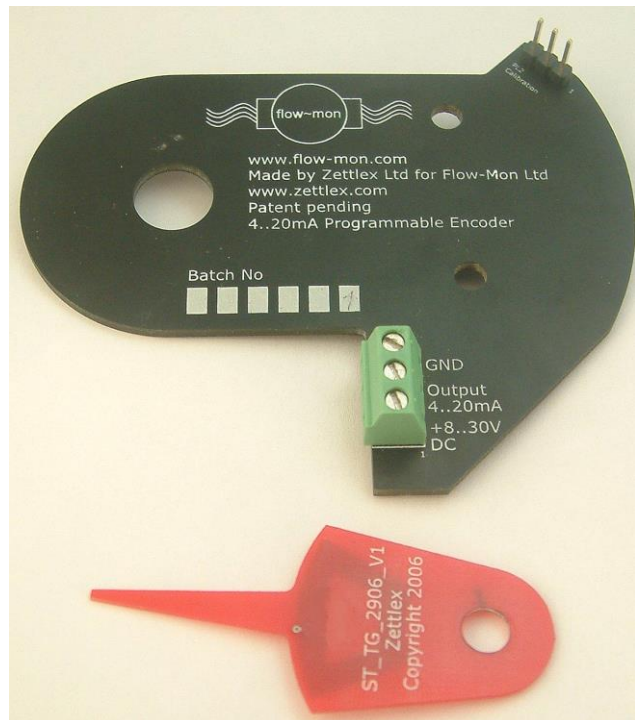


Programmable 4-20mA current loop transducer designed to be built into Delimon's flow indicators

- ❑ Based on the sophisticated Zettlex ST technology for inductive displacement sensing
- ❑ Non-Contact (no wear problems, no loading and no added hysteresis on the system to effect measurement at low flow)
- ❑ Absolute measurement (no problems if power is disconnected and reconnected)
- ❑ Robust construction (long life without problems)
- ❑ Smart (one time factory calibration stored in electronic memory)
- ❑ Accurate (more than 1000 measurement points over full-scale deflection)
- ❑ High resolution measurement (sensor can indicate changes in flow before the eye can)
- ❑ Programmable output filter for stable output (damping of the pointer vibration)
- ❑ Consists of two parts : electronics board and target (pointer replacement)



Technical specifications

Mechanical specification

Measurement range	100°
Angle resolution	0.03°
Linearity	±1%
Gap range (electronics to target)	4.3mm..5.8mm ^{a,b}
Max concentricity	±1.5mm
Repeatability	<0.2%

Electrical specification

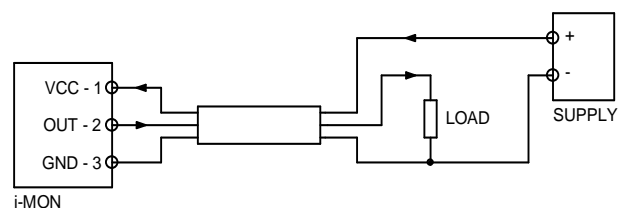
Operating voltage	8..28V DC
Supply current	50mA max
Reverse polarity protection	yes
Overvoltage protection	up to 30V
Output signal	4..20mA ^c
Load impedance	$R < (U_{supply} - 3)/0.02$
Resolution of the output signal	>10 bit
Programmable output filter	0..5s
Temperature stability	<80ppm
Standard connections	3way terminal block, wires up to 1.0mm ²
Operating temperature	-40°C..+85°C
Storage temperature	-40°C..+85°C

^a Specified performance is only within this range of the gap

^b Gap is measured between top of the pointer and top of the electronics board

^c Guaranteed only within the full scale ±5% on both ends

Installation instruction



Wires must be kept away from the underneath of the electronics board area otherwise they could affect the accuracy of the output.

(3 pins on board are for calibration only)