

# Flowtransmitter type SE525C14xx



The SE525C14xx Flowtransmitter is developed for measuring the flow of translucent liquids. It is made of hard, durable plastics with integrated and moulded electronics.

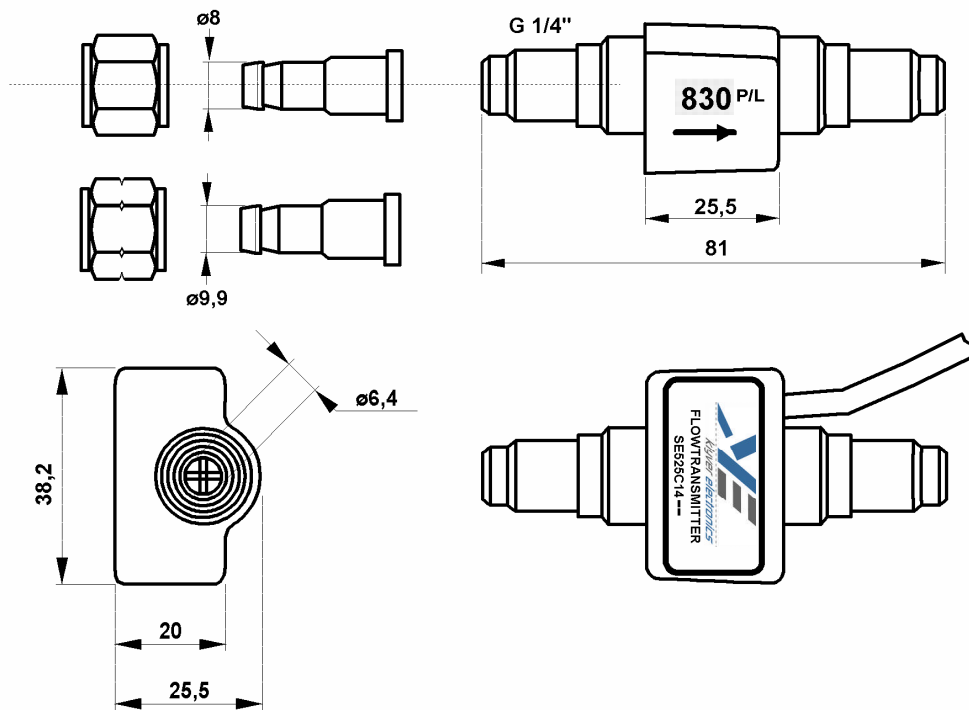
The flowtransmitter converts liquid flow into electrical pulses. Each pulse corresponds typically to 1.2 ml of liquid flow. Every single flowtransmitter is calibrated individually, and the calibration value (pulses per litre) is printed on one side of the flowtransmitter.

The flowtransmitter comes with a 5-pole Molex connector (SE525C14M5) or a 3-pole AMP connector (SE525C14B3). See the electrical diagram below. Output pulse is CMOS compatible.

The flowtransmitter is delivered with a complete set of fittings for tube mounting. Shown below is the flowtransmitter with 1 set of 8 mm standard - and 1 set of 9,9 mm (optional special fittings).

(Another version, for high flow / big tube e.g. by tank install, is available: SE525C38-- with thread G=3/8" and inner diameter 9,9 mm).

All units are in millimetres. (Thread G = 1/4")



## Data

Error:  
Linearity:  
Flow Velocity:  
Working pressure (max):  
Ambient temperature:  
Calibration value (typ):  
Net weight:  
Length of connecting cable:  
Opening:

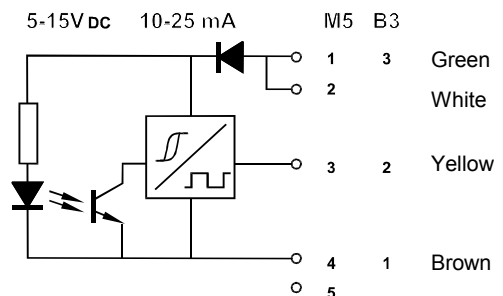
## C14 G 1/4"

± 1%  
± 1%  
0,1-5 l/min  
10 kp/cm<sup>2</sup>  
0-95° C  
830 pulses/litre  
140 g  
2 metres  
Φ 6,4 mm

## C38 G 3/8"

± 1%  
± 1%  
0,1-15 l/min  
10 kp/cm<sup>2</sup>  
0-95° C  
830 pulses/litre  
160 g  
2 metres  
Φ 9,9 mm

## Electrical diagram



## Connector

| M5 | B3 | Color  |
|----|----|--------|
| 1  | 3  | Green  |
| 2  |    | White  |
| 3  | 2  | Yellow |
| 4  | 1  | Brown  |
| 5  |    |        |

## Materials

Housing: UDEL Polysulfone P-1700  
Thread Ends: UDEL Polysulfone P-1700  
Impeller: UDEL Polysulfone P-1700  
Tube fittings: Stainless steel Werkstoff no. 1.4305  
Assembly nut: Brass (cunit)