

# Klyver electronics

## KE555 Flow Counter



Klyver Electronics A/S is an innovative and dynamic company which has a solid experience in electronic manufacturing and electronic development.

For more than 30 years we have evolved in to a company that specializes in producing and developing flow measurement / flow control and industrial machine control.

Our position in the world has been created by our satisfied customers, our great experience but certainly also a quest for exquisite service and 100% unique Danish quality and design.

Klyver Electronics A/S has developed a complete Control system for measuring, dosing and recording of draft and soft drink plants. The program includes counting systems from acquiescence counts, free-flow facility for advanced dosing, automatic measurement and registration of the individual sales.

Take a look at our other products:  
Flowtransmitter (flow meter)  
Flow Counter  
Dosing Machine

## KE555 Flow Counter

KE555 is a Flow Counter with the capability to connect to a PC. When connected to a pc you can keep track of the flow data from all the counters.

The KE555 has 2 flow channels, and can be networked with up to 32 dual-flow units per network string. This gives 64 lines per network string.

### Features:

Connects to PC

Measures 2 flow transmitter - outputs simultaneously

Security

"Service counters"

64 channels per network

Auto backup

EasyFlowFilters®

Alarm

# KE555 Flow Counter

## Features:

### ➡ Connects to PC

By means of the built-in RS485 network port all counter values plus service and error message, can be transferred to a PC. Thereby monitoring and register all functions to software\* or POS systems. You can easily reset counters on each unit in the network.

### ➡ Measures 2 flow transmitter outputs simultaneously

The Double Flow Counter KE555 contains 2 completely independent main-counters for connecting up to 2 Flow transmitters, and thereby can measure the consumption on two taps simultaneously. Each counter counts from 1 decilitre to 9999 litres of liquid, depends on setting. The consumption of the 2 main-counters can be read directly on the 2 front displays.

### ➡ Security

Access to Setup Mode and other important information is only available via custom set 4 cipher security password.

### ➡ "Service counters"

In addition there are 2 independent service-counters for the same 2 Flow transmitter input. These can count the consumption under service when cleaning the tubes with cleaning fluid. Each counter counts from 1 decilitre to 9999 decilitre of liquid. The consumption of the 2 service-counters can be read directly on the 2 front displays, when service key is active.

### ➡ 64 channels per network

KE555 has 2 independent flow channels which can be networked with up to 32 double-counting unit's per. network string. This allows up to 64 lines per. network via. a simple 2-wire communication cable.

### ➡ Auto backup

The built-in rechargeable battery ensures that power dropouts don't affect proper counting. When fully charged the battery can keep the unit functioning for at least 3½ hours after a power cut in the main power supply. After this time the unit goes into a low power mode and saving all counter values in permanent memory. This means that the counter values are ready again when power is back on. A built-in intelligent charging circuit maintain automatically the rechargeable battery, when power is on. The battery has a lifetime of approx. 5 years.

### ➡ EasyFlowFilters<sup>®</sup>

The EasyFlowFilters<sup>®</sup> are specially designed to count all liquids correctly also all kind of sparkling waters, sodas, draft beer etc. Easily set the flow filter for a different flow rate. You can also set a customized filter.

### ➡ Alarm

The KE555 constantly monitors the connected flow transmitters, the power supply, the battery and the internal memory. Should an error occur, flashing alarm dots will appear on the displays, without affecting the display of the counter values.



### Want even more advance features?

If you want a more advanced Counter you can choose our SE480A Counter and dosing machine with 8 counters/channels. It also handles dosing and can be used with chip access cards.

\*Software is currently in beta mode and will soon be available for purchase



# KE555 Flow Counter

## Specifications:

### General info

Data can be transmitted from one or more KE555 counters to a PC serial port through an RS485 network in HEX format.

Adapter for converting to standard RS232 data port can be purchased.

A connected PC with installed software can acquire data and reset all counters Software program for PC output data can be purchased.

Data is transmitted through a 2-wire communication cable.

KE555 can send information on all counter values, and different info about settings and arisen errors.

### Network

Serial RS485

Peer to Peer, Half-duplex, synchronous with fixed format:  
N, 8, 1 (no parity, 8 data bits, 1 stop bit)

Baud Rate is selectable in three speeds:  
9600 – 19200 or 38400 bit / s

Network Length: Up to 1.2 km  
Number of devices: Up to 32 units.

PC is the 'master' and all counters are 'slaves' in the network.

### Size

46\*68\*111 mm (H x W x D)  
(with mounting bracket - 50\*72\*111 mm)

### Weight

181 grams (with mounting bracket - 256 grams)

### Display

2 displays. 4 digits (seven segment)

### Battery

Standard 9V rechargeable battery -  
Ni-MH 250mAh - IEC 6F22

### Operation

2 keys on the front

### Connections

2- Molex 5pin (6471-05)  
(for Flow Transmitter input)

1- Molex 4pin (6471-04) for power supply

1- Molex 3pin RS485 (6471-03) network port

### Power supply

12 V DC 200 mA Type SE514A

### Accessories

**Flowtransmitter** (flow meter) KE525C14M5

**Data Adaptor**

**Software**

Power Supply (**included**)

12 V DC 200 mA Type SE514A

