

MICROSAMPLER 10P

Portable Composite Sampler



Technical Specifications

Sampling type	Composite
Operation mode	By time, by flow, manual
Suction height	8 meter
Volume of sampler cup	10 liter
Suction hose	6m, with filter 8x12mm PVC hose
Pump / Tube	Peristaltic type/norprene
Power supply	12V 7A with battery and charger
Ambient temperature range	0...70°C
Sampling range	Adjustable from 1 min. to 24 hours
Sampling amount	Adjustable from 10ml to 9999ml

Definition

MICROSAMPLER 10 is a portable composite sampler used for taking samples of liquids from waste water, factory drains and manholes, valleys, water canals and of all kind of liquids that need to be examined. Smart type of electronic control unit with microprocessor operateable with rechargeable battery and adapter, can be programmed to take samples by time in a multiple or single way and has a special structure to work with an external pulse. Especially designed for use in open fields and places with no external energy supply. The cleanable stainless filter of suction line prevent waste water particles from penetrating into the pump and damaging the special hose.

General

In today's age of environmental awareness and sensitivity, analysing of waste water becomes a compulsory legal requirement. The necessity of taking water samples and specifically doing this automatically by a sampling device renders essential need for sampling units. In general, automated sampling devices used in water and waste water industries reached the position to meet the today's expectations and requirements optimally. Waste water drained off into stream especially in industrial areas may contain substances that can pose potential risk to the public health and the environment. Related companies and municipalities are obligated and responsible for supervising dangerous chemicals in waste water, substances that could interfere with soil or harmful fluids thrown overboard. For this reason, these institutions and organizations should pay attention to use of sampling device in the risk-bearing factories and should show the importance and care of taking samples according to waste water flow rate and time.

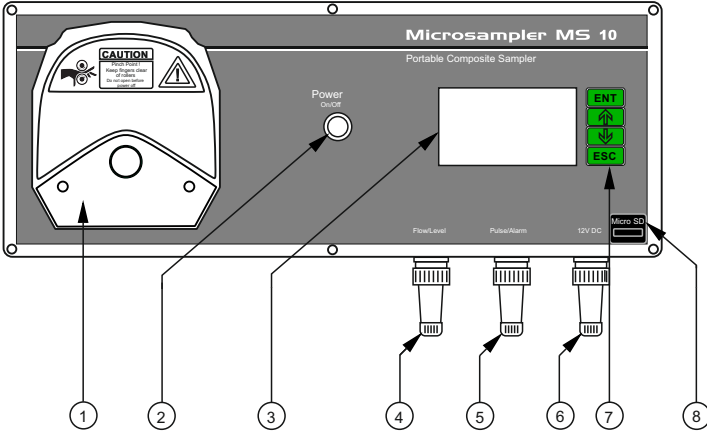
MICROLEVEL, one of the industry's most profitable companies of industry equipment and service produces locally the own brand MICROSAMPLER Portable Composite Sampler with years of experience and in regard to demand and needs and put it successfully on the market within Turkey.

Thanks to different language options, menu interface and keypad, the amount of samples, the sampling intervals and the time of sampling can be programmed by the user. After taking each sample the pump drains the water remained in the suction hose by working in reverse and allows the line to remain clear for the next sample. Reverse operating time can be adjusted according to the suction hose length. Due to the level switch as standard, an early warning will be given when the sample container is full to prevent overflowing. In the same time, an alarm will be output.

MICROSAMPLER 10 device is equipped with a special measuring system which allows to take samples just by entering the desired amount without keying any suction length, hose diameter and length thanks to its flowmeter system which is being founded and developed for the first time by MICROLEVEL.

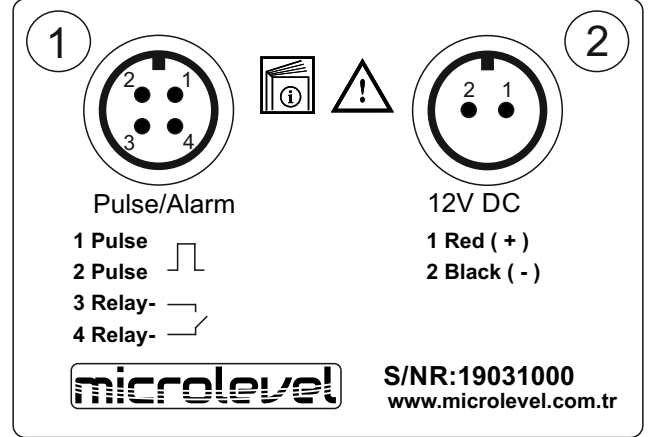
Outer body of the sampler is made of material which is highly durable against bumps and weather conditions. If needed, it can be locked against persons with malicious intent. Due to working type and structure, it should be kept in an upright position. Extreme care should be taken not to rollover with the wind or human. Otherwise, the liquid inside the sampler container pours out and leaves permanent damage within the device.

Control Panel



- 1-Pump
- 2-Power switch
- 3-Backlighted LCD display
- 4-Internal flowmeter / sampler container full switch socket
- 5-Outside pulse input / alarm output socket
- 6-12V DC power input socket
- 7-Control buttons
- 8-MicroSD card(Optional)

Outer Connections



1-Pulse input and alarm output

With an optional socket cable the device can be operated from outside, for example with pulse receiving from flowmeter. Terminal 1 and 2 are used for pulse input. Terminal 3 and 4 should be used for alarm output that provides warning and alerts.

2-Charging/Power Supply input

The battery can be charged through 12V DC adapter socket that is delivered with the device. The use of the device during charging is possible. Full charging of the battery takes approx. 14 hours. Depending on the amount of sampling interval and samples fully charged device provides approx. 2 days of usage.

Internal View



Easy Transportability

