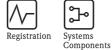






Temperature





Technical Information

CUE31

Compact turbidity measuring station



Application

Mounted panel ready for connection for measuring fine turbidity in drinking water and other waters with turbidity levels $< 1 \ \rm FNU.$

Application:

- Drinking water
- Filter backwashing
- Spring water
- Pool area

Your benefits

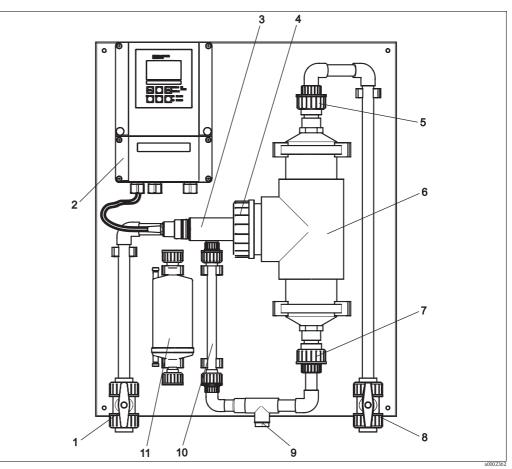
- System ready for operation, can be commissioned with very little installation effort.
- All components are secured to robust PVC board.
- Commissioning without calibration as already performed at the factory.
- Measurement as per 90° scattered light method, in conformity with DIN / ISO / EN.
- Regular zero point adjustment with 0.2 µm filter eliminates drift resulting from build-up in the assembly.
- Stop cocks in the inlet and outlet allow flow regulation and prevent pressure drop in the assembly (gas bubble formation).
- Drain screw for emptying the system for zero point adjustment or inspection.
- Can be ordered with the optional CUY22 check unit which can be used to check the sensor for changes to the optics and electronics.
- CUS31 sensor is fitted with a wiper. No cleaning necessary.
- Liquisys CUM253 transmitter with one current output and two relays.



Function and system design



The measuring device is completely mounted and wired.



Structure of the compact measuring station

1	Inlet stop cock	7	Coupling nut
2	Transmitter	8	Outlet stop cock
3	CUS31 sensor	9	Drain screw
4	Coupling nut	10	Connecting tube
5	Coupling nut	11	Zero turbidity water filter
6	Flow assembly		

Minimum flow

50 l/h (13.20 US. gal./h)

Design, dimensions

530/20.87 ο Ū 660/25.98 П Π RD Ú h 1 껩 勔 15/0.59 50/ 430/16.93 1.97 mm / inch

Mechanical construction

Dimensions

Note!



You need an area approx. 400 mm (15.75") in height beneath the mounting plate to connect the water pipes. The installation depth is 420 mm (16.54").

Weight	Approx. 10.5 kg (23.2 ll	o.)
Material	Panel material: Connections:	PVC DN25 glue-in nozzle

Ordering information

Ordering information

Four versions of the compact measuring station are available:

Version	Order number
230 V with CUY22	51517496
110 V with CUY22	51518049
230 V without CUY22	51518048
110 V without CUY22	51518051

Accessories

Connection accessories	 Adapter for hose connection, 16 mm (0.63 ") Order No. 51517952 Adapter, G¾ internal thread Order No. 51517930 Adapter, NPT ¾" internal thread Order No. 51517931 	
Maintenance/calibration	 Zero turbidity water filter kit for CUE31 compact measuring station; 0.2 µm filter size Order No. 51517933 	

Documentation

Transmitters	 Liquisys M CUM223/253, Technical Information TI 200C/07/en
Sensor	 Turbimax W CUS31, Technical Information TI 176C/07/en

International Head Quarters

Endress+Hauser GmbH+Co. KG Instruments International Colmarer Str. 6 79576 Weil am Rhein Deutschland

Tel. +49 76 21 9 75 02 Fax +49 76 21 9 75 34 5 www.endress.com info@ii.endress.com

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