

“Carl Zeller” Cadmium Analyser



The online analyser “Carl Zeller” from Seibold's Composer analyser family continuously determines the cadmium concentration.

Robust, proven and tested measurement technology affords high precision and sensitivity while keeping instrument complexity low. The result is a cost-efficient measurement.

Easy and safe handling thanks to non-toxic reagents.

- Robust design
- High accuracy
- Low cost per measurement
- Minimal Maintenance
- Easy handling

Method

The analyser adds a reagent specific for cadmium to the sample. If cadmium ions are present, a stable chelate complex forms between metal and reagent. This complex with its characteristic colour is detected precisely in the spectrophotometer. The intensity is directly proportional to the concentration of cadmium.

The analyser takes care of regular automatic cleaning and calibration.

Applications

Drinking water

River water

Process water
(electroplating,
semiconductors,
battery production)

Wastewater

Technical data

Analyser “Carl Zeller”

Measuring method	Spectrophotometric
Measuring interval	Continuous or discontinuous (programmable or external start)
Measuring ranges	0.005~1.000 mg/l (ppm), other ranges on request
Accuracy	± 3% based on full scale
Resolution	0.005 mg/l
Calibration	Automatic
Sample volume	75~200 ml per measurement
Signal output	4~20 mA
Power supply	230 V AC ± 10%, 50 Hz, optional 115 V AC oder 24 V DC
Power consumption	Approx. 50 VA
Sample temperature	5~40 °C
Operating conditions	Ambient temperature, humidity up to 95%, non-condensing
Protection class	IP 66
Dimensions	500 mm × 700 mm × 350 mm
Weight	Approx. 35 kg

Product code 749 013

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