



The **Testomat 2000® CrVI** process photometer is an online analytical measuring instrument for monitoring the content of chromate (CrO_4^{2-}) or chromium VI (CrVI). The instrument works with a photometric analysis principle based on DIN 38405. Two device variants are available for the realization of the most diverse measurement requirements.

Performance profile:

- Analysis by automatic addition of 2 reagents
- Measurement result display after a reaction time of approx. 2 minutes (measurement time without purging time)
- 2 independently programmable limit contacts for monitoring and control tasks
- Menu-guided operation and programming by means of plain text display
- High measuring accuracy due to precise piston metering pump
- Analysis triggers:
 - Automatic interval operation (interval pause adjustable from 0 - 99 minutes)
 - External control
 - Dynamic (exhaustion-dependent interval operation)
 - Quantity-dependent via contact water meter
- Two independent limit values with hysteresis (1, 2 or 3 bad analyses) and adjustable switching functions
- Monitoring of two measuring points (switchover by external solenoid valves)
- Internal error documentation
- Programmable service address
- Programmable maintenance interval for maintenance request

Technical data:

Power consumption:	max. 30 VA
Protection class:	I
Protection type:	IP 65
Ambient temperature:	10 - 45 °C
Water temperature:	10 - 40 °C
Dimensions (B x H x T):	380 x 480 x 280 mm
Weight:	ca. 10,5 kg
Operating pressure:	0,3 - 8 bar
Measuring range:	see following page

Variant	Parameter	Measuring range	Resolution
CrVI (Standard)	Chromate (CrO ₄ ²⁻)	0 - 2 mg/l	0,00 - 0,99 mg/l (resolution 0,01) 1,0 - 2,0 mg/l (resolution 0,01)
	Chrome VI (CrVI)	0 - 1 mg/l	0,00 - 1,0 mg/l (resolution 0,01)
CrVI 0 - 5 ppm (high measuring range)	Chromate (CrO ₄ ²⁻)	0 - 11,15 mg/l	
	Chrome VI (CrVI)	0 - 5 mg/l	0,00 - 0,99 mg/l (resolution 0,01) 1,0 - 3,0 mg/l (resolution 0,1) 3,0 - 5,0 mg/l (resolution 0,2)

Optional:

Article number	Description
270305	Interface card 0/4-20 mA (SK 910)
270310	Interface card RS 232 (for protocol printer)
270315	Interface card 0/2 - 10 V (UK 910)
100490	SD-Card data logger Testomat 2000®
100492	Network logger plug-in card
40315	Drain funnel
40187	Connection set

Scope of application:

- Monitoring the chromate content of wastewater in electroplating plants
- Control of wastewater in the metalworking industry

Order number:

Type	Menu language	24 V 50 - 60 Hz	115 V 50-60 Hz	230 V 50-60 Hz
CrVI (Standard)	German	100310	100315	100320
	English	100311	100316	100321
	France	100312	100317	100322
CrVI 0 - 5 ppm (high measuring range)	German	upon request	upon request	100640
	English	upon request	upon request	100641
	France	upon request	upon request	upon request

Reagent:	Menge:	
Testomat 2000® Reagent CrVI 2100 A	500 ml	156220
Testomat 2000® Reagent CrVI 2100 B	500 ml	156221