

khlmPfl. ADfIPfi) OPy(y-B

Waltron's 3045 f Copper Analyzer is the most advanced instrument available on the market today for online measurement of dissolved copper.

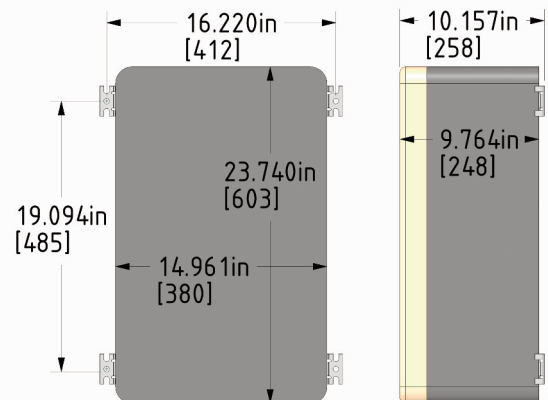
The 3045 stands alone as capable of delivering the most accurate and precise results for ultra-pure water applications.



FEATURES

- Accurate and wide-range analysis
- Multi-stream available
- Fast loop reservoir
- Adjustable cycle and calibration frequency
- Automatic calibration and validation (QA/QC)
- Compact design
- Color touchscreen display
- Grab sample capability
- Internal datalogger
- Low reagent level alarm
- Automatic start/stop based on sample flow detection
- Minimal analyzer maintenance

Wet Section



See reverse side for specifications.

3045 DISSOLVED COPPER ANALYZER | GENERAL SPECIFICATIONS

PERFORMANCE

Range	0-100ppb, 0-3ppm
Accuracy	+/- 2% of full scale
Reproducibility	+/- 2% of reading
Analysis Time	10 min, batch process
Sampling Frequency (Cycle Time)	One reading every 15 mins, adjustable
Sensor Classification	Colorimetric with glass flowcell and LED source
Power Supply	110-220Vac, 50-60 Hz 80 VA
Humidity	Up to 90% not condensable
Ambient Temperature Range	10-45°C analyzer (50-113°F)
Positioning and Installation Details	Wall mounting, bench supported, or panel mounting (optional)
Alarms	2 or 4 configurable alarm relays
Degree of Protection	IP55 (NEMA 4): Wet section, IP65 (NEMA 4x): Electronics
Required Maintenance	Once a month replenish reagents, Quarterly replace tubing
Reagent Consumption (approximate)	3 reagents, 2L each per month
Materials in Contact with Sample	Glass, Silicone, Plexiglass, Stainless Steel AISI 316
Certification (on request):	Meets low voltage and low electromagnetic compatibility directives
Sample Conditioning Requirements	Filtering between 10 and 60 micron, depending on the matrix, needed only to avoid clogging.
Weight	17 kg (37.5 lbs.)

SAMPLE DELIVERY OPERATING CONDITIONS

Temperature Range	5-55°C (41-131°F)
Inlet Sample	100-500 ml/min, atmospheric, flexible tubing O.D. 1/4"(6 mm)
Outlet Sample	Atmospheric, waste tubing O.D. 3/8"(9 mm)
PH	3-12

SIGNAL OUTPUTS

Analog Outputs	4-20mA (galvanic isolator module available as option) or 0-5V
Serial I/O Options	RS232; RS485; MODBUS; PROFIBUS

OPERATIONAL CALIBRATION

Frequency/Intervals	Recommended: 7 days
Single/Multi Points	Multi-Point: zero and mid range
Matrix Corrections	Yes, sample blank correction
Manual/Automatic	Both

102-031-B.1



WALTRON GROUP HEADQUARTERS

25 Minneakoning Road, Suite 101

Flemington, NJ 08822 USA

Phone: +1 908 534 5100

Fax: +1 908 534 5546

www.waltron.net