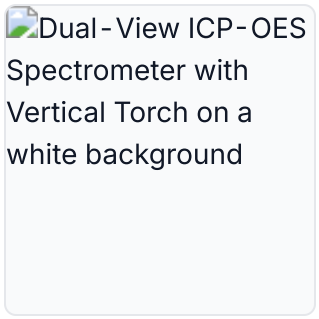
DATASHEET · ANALYTICAL INSTRUMENTS

Dual-View ICP-OES Spectrometer with Vertical Torch.

SKU CS-ANL-00013 **Spec** v1 **Rev.** 2026-07-08



VERIFIED

Spec v1 · 2026-07-08

PRODUCT SPECIFICATIONS

FROM PUBLISHED PRODUCT DATA

SUPPLY VOLTAGE	220V AC ± 10%	AMBIENT TEMPERATURE	10-30℃
RELATIVE HUMIDITY	20-80%RH	RF POWER RANGE	500 W - 1,600 W
STANDBY RF POWER	500 W	STANDBY ARGON CONSUMPTION	≤5 L/min
PLASMA OBSERVATION MODES	axial, radial, bi-directional and simultaneous bi-directional	RF FREQUENCY	27.12 MHz
RF COUPLING EFFICIENCY	>80%	RF POWER STABILITY	≤0.1%
RF FREQUENCY STABILITY	≤0.01%	OPTICAL-CHAMBER TEMPERATURE	36℃±0.1℃
WAVELENGTH RANGE	160 nm - 900 nm	MONOCHROMATOR FOCAL LENGTH	380 mm
ECHELLE GRATING	87 L/mm, 63.5° blazing	STRAY LIGHT	≤2.0 mg/L (10,000 mg/L Ca solution at As 188.980 nm)
OPTICAL RESOLUTION (FWHM)	≤7 pm @ 200 nm	DETECTOR ARRAY	1,024*1,024 pixels
DETECTOR IMAGING AREA	25.4 mm×25.4 mm	DETECTOR PIXEL SIZE	24 um × 24 um
PERISTALTIC PUMP	12-roller 4-channel; 0 rpm to 125 rpm	GAS-CONTROL CAPACITY	up to 5 channels

DATASHEET · ANALYTICAL INSTRUMENTS

Dual-View ICP-OES Spectrometer with Vertical Torch.

SKU CS-ANL-00013 **Spec** v1 **Rev.** 2026-07-08

PRODUCT SPECIFICATIONS, CONTINUED

FROM PUBLISHED PRODUCT DATA

GAS-FLOW CONTROL ACCURACY	0.01 L/min	ANALYSIS SPEED	about 200 spectral lines per minute
SAMPLE CONSUMPTION	2 ml	SPECTRAL LINEAR DYNAMIC RANGE	≥10^5
PRECISION	RSD ≤0.5% after ten measurements of 1 ppm or 10 ppm multi-element standard	EIGHT-HOUR STABILITY	RSD ≤1%
DETECTION LIMITS	Zn 0.5; Ni 1; Mn 0.5; Cr 1; Cu 1; Ba 0.1 ug/L	PREHEATING TIME	shorter than 5 minutes
AVAILABILITY	On back-order		

CONTINUOUSLY VERIFIED · SPEC V1

Specifications verified against current published product data. **Verified 2026-07-08 · Since 2026-07-08.**

Cite: ConductScience CS-ANL-00013, Spec v1, 2026-07-08. conductscience.com/lab/dual-view-icp-oes-spectrometer-vertical-torch