



HI 96705

Silica Portable Photometer



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- CAL CHECK™
- User calibration
- Certified calibration and verification standards
- BEPS (Battery Error Prevention System)
- TIMER function
- Auto shut-off
- GLP Features

Silica is found in all natural waters in the dissolved mineral form. Silica is only slightly soluble in water; solubility and therefore the form of silica in water depends on the pH level of the water and on the minerals containing silica in contact with water.

Silica's presence in industrial applications is undesirable since it causes scale. In particular, high pressure turbines are highly effected by this factor.

Heating systems and reverse osmosis plants also require monitoring of silica.

The HI 96705 meter measures the silica (SiO_2) content in water and wastewater in the 0.00 to 2.00 mg/L (ppm) range.

Order Information:

HI 96705 is supplied with sample cuvettes with caps (2 ea.), battery and instructions.

HI 96705C includes photometer, sample cuvettes with caps (2 ea.), 9V battery, scissors, cloth for wiping cuvettes, instrument quality certificate, instruction manual and rigid carrying case.

Specifications	Accessories	Downloads
Range	0.00 to 2.00 mg/L (ppm)	
Resolution	0.01 mg/L (ppm)	
Accuracy	± 0.03 mg/L $\pm 3\%$ of reading @ 25°C	
Light Source	Tungsten lamp	
Light Detector	Silicon photocell with narrow band interference filter @ 610 nm	
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing	
Power Supply	(1) 9V battery	
Auto-off	After 10 minutes of non-use in measuring mode; after 1 hour of non-use in calibration mode	
Dimensions	192 x 104 x 69 mm (7.6 x 4.1 x 2.7")	
Weight	360 g (12.7 oz.)	
Method	Adaptation of the ASTM D859 method of the heteropoly blue method	