## Silica Portable Photometers

- CAL CHECKIN
- 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<sub>2</sub>) content in water and wastewater in the 0.00 to 2.00 mg/L (ppm) range. HI 96770 measures silica (SiO<sub>2</sub>) content from 0 to 200 mg/L.



## ORDERING INFORMATION

HI 96705 and HI 96770 are supplied with sample cuvettes (Z) with caps, 9V battery and instructions CAL C-EOCT standards and testine spacents sold separately HI 96705C and HI 96770C include photomete

sample cuvettes (2) with caps, 9V battery, scissor: cuvette cleaning cloth, instrument quality certificate instruction manual and rigid carrying case. CAL C-E-OCT standards and testine reasonts sold separately

## REAGENTS AND STANDARDS For HI 96770

For HI 96705 HI 96705-11 CAL CHECK™ standard cuvettes HI 93705-01 Reagents for 100 tests HI 93705-03 Reagents for 300 tests

HI 96770-11 CAL CHECK'S standard constitut

1196770-01	Reagents for	100 tests
1196770-03	Reagents for	300 tests

SPECIFICATIONS	Silica	Silica HR	
Range	0.00 to 2.00 mg/L (ppm)	0 to 200 mg/L (as SiO <sub>2</sub> )	
Resolution	0.01 mg/L (ppm)	1 mg/L	
Accuracy © 25°C (77°F)	±0.03 mg/L ±3% of reading	±1 mg/L±5% of reading	
Light Source	tungsten lamp	light emitting diode	
Light Detector	silicon photocell with narrow band interference filter @ 610 nm	silicon photocell with narrow band interference filter @ 466 nm	
Power Supply	9V battery		
Auto-off	after ten minutes of non-use in measurement mode: after one hour of non-use in calibration mode; with last reading reminder		
Environment	0 to 50°C (32 to 122°F): RH max 95% non-condensing		
Dimensions	192×104×69 mm (7.6×41×27*)		
Weight	360 g (127 oz.)		
Mark and	adaptation of the ASTM DBS9 method of	adaptation of the USEPA METHOD 370.1 drinking, surface and saline waters,	

heteropoly blue method

HI 96705

For a complete list of Reagents, see Reagents Section 18. IANNA INSTRUMENTS ARGENTINA S.A.

Method

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domestic and industrial wastes and

Standard Method 4500-SiO-C