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## Silica

- Ideal for high pressure turbine maintenance, reverse osmosis, water demineralization plants, water cooling and heating applications
- Heteropoly blue method of measuring silica
- Lab grade accuracy and fast response

Silica is found in all natural waters in 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. Its 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. HANNA instruments® offers the HI 93705, a microprocessor-based photometer that determines the concentrations of silica in water in a few fast and easy steps. Silica is determined in the range from 0.00 to 2.00 mg/L.

HI 93705 is supplied with 2 cuvetts, battery and instructions.

### Available Accessories:

- HI 710009 Blue rubber boot
- HI 710010 Orange rubber boot
- HI 731318 Tissue for wiping cuvetts (4 pcs)
- HI 93703-50 Cuvet cleaning solution (230 mL)
- HI 731321 Spare measurement cuvetts (4 pcs)
- HI 731325 Cuvet cap (4 pcs)
- HI 93705-01 Reagent kit for 100 tests
- HI 93705-03 Reagent kit for 300 tests

### Specifications:

<b>Range</b>	0.00 to 2.00 mg/L
<b>Resolution</b>	0.01 mg/L
<b>Accuracy (@20°C/68°F)</b>	±0.03 mg/L ±3% reading
<b>Typical EMC Deviation</b>	±0.01 mg/L
<b>Light Source</b>	Light Emitting Diode @ 890 nm
<b>Light Life</b>	Life of the instrument
<b>Light Detector</b>	Silicon photocell
<b>Battery Type / Life</b>	1 x 9V/ approximately 40 hours of continuous use
<b>Environment</b>	0 to 50°C (32 to 122°F); RH 95%
<b>Dimensions</b>	180 x 83 x 46 mm (7.1 x 3.3 x 1.8")
<b>Weight</b>	290 g (10 oz.)