

Series 942 Colorimeter

Highlights

- Direct-read digital display of procedural prompts and test results
- Factory calibrated, no user adjustments are ever needed.
- Microprocessor controlled self diagnosis of power, circuitry and lamp readiness.



The Mini Analyst

The Mini Analyst single parameter colorimeters are easy-to-use and portable for fast, precise water tests. Economically priced, the 942 is ideal for when a single specific test is performed frequently. All models come complete with reagents and carrying case.

Orbeco-Hellige provides you with the most models available to perform water analysis covering a wide variety of uses and applications. Every Mini Analyst is designed and programmed to perform one specific test, with the highest level of accuracy and convenience. You will never have to buy reagents for tests you will never use! All models provide direct-reading in the digital display in mg/L or p.p.m.

Most models use single dose reagent tablets. Tablets are convenient, easy to transport, pre-measured and hermetically sealed for a long shelf-life.

Specifications

| | |
|---------------------|---|
| Power Supply | 3 AA batteries |
| Auto-off | automatically switches off after 15 minutes of non-use. |
| Display | 2 line, 16 alpha numeric character LCD. |
| Detector | Silicon photodiode. |
| Light Source | LED |
| Calibration | Automatic Zero Set and Automatic Standardization by microprocessor. Operator controlled Auto-Blank. |

| | |
|-------------------------------|---|
| Housing | Rugged plastic, resistant to water, corrosion and impact. |
| Dimensions (L x W x H) | 5.75 x 3.6 x 2.1 inches |
| Weight | 1 lb. 4 lbs. to ship |
| Certification | CE |

| Part Number | Description |
|-------------|----------------------------------|
| 975-TG | Sample Tubes, Glass (set of 4) |
| 975-TP | Sample Tubes, Plastic (set of 4) |



Series 942 Colorimeter

| Parameter / Method | Model P/N | Range (mg/L) | Replacement Reagent P/N | # of Tests |
|---|-----------|--------------|-------------------------|------------|
| Alkalinity (M) | 942-080 | 0-500 | 975-80 | 50 |
| Alkalinity (P) | 942-058 | 0-500 | 975-58 | 50 |
| Alkalinity (Total) | 942-033 | 0-500 | 975-33 | 50 |
| Aluminum / ERC | 942-037 | 0-0.5 | 975-37 | 50 |
| Ammonia, Nitrogen LR/ Indophenol | 942-043 | 0-1.0 | 975-43 | 50 |
| Ammonia Nitrogen HR | 942-021 | 0-6.2 | 975-21 | 100 |
| Barium / Turbidimetric | 942-020 | 0-200 | 975-20 | 50 |
| Bromine / DPD | 942-081 | 0-6 | 975-81 | 50 |
| Calcium Hardness | 942-031 | 0-500 | 975-31 | 50 |
| Chloride / Argentometric | 942-034 | 0-25 / 0-250 | 975-34 | 50 |
| Chlorine (Free & Total) / DPD | 942-001 | 0-3.5 / 7.0 | 975-01 | 50 |
| Chlorine (Total) / DPD | 942-022 | 0-5.0 | 975-22 | 50 |
| Chlorine, HR/ Idometric | 942-083 | 0-250 | 975-83 | 50 |
| Chlorine Dioxide / DPD | 942-085 | 0-9.5 | 975-85 | 50 |
| Chromate / Idometric | 942-002 | 0-60 | 975-02 | 50 |
| Chromium, Hexavalent / Diphenylcarb | 942-003 | 0-1.25 | 975-03 | 107 |
| COD, LR / Micro-reflux | 942-060 | 5-150 | 975-60/60MF | 50 |
| COD, MR / Micro-reflux | 942-061 | 20-900 | 975-61/61MF | 50 |
| COD, HR / Micro-reflux | 942-062 | 100-4500 | 975-62 | 50 |
| Copper (Free & Total) / Bicinchoninate | 942-004 | 0-5.0 | 975-04 | 50 |
| Cyanide (Free) / Cyanogen Chloride | 942-032 | 0-0.4 | 975-32 | 50 |
| Cyanuric Acid / Turbidimetric | 942-029 | 0-200 | 975-29 | 50 |
| DEHA | 942-059 | 0-500 p.p.b. | 975-59 | 75 |
| Fluoride / ECR | 942-005 | 0-2.5 | 975-05 | 50 |
| HardnessLR (Total) / Calmagite | 942-095 | 0-1.5 | 975-95 | 50 |
| Hardness (Total) | 942-076 | 0-500 | 975-76 | 50 |
| Hydrazine / Dimethylaminobenz | 942-025 | 0-500 p.p.b. | 975-25 | 50 |
| Hydrogen Peroxide, LR / DPD | 942-053 | 0-2.0 | 975-53 | 50 |
| Hydrogen Peroxide, HR | 942-087 | 0-100 | 975-87 | 50 |

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|---------------------------------------|-----------|--------------|-------------------------|------------|
| Iodine / DPD | 942-088 | 0-18 | 975-88 | 50 |
| Iron LR (Total) / PPST | 942-054 | 0-1.5 | 975-54 | 50 |
| Iron HR (Total) / o-Phenanthroline | 942-006 | 0-10 | 975-06 | 50 |
| Lead / Dithizone | 942-063 | 0-150 p.p.b. | 975-63 | 15 |
| Magnesium | 942-089 | 0-80 | 975-89 | 50 |
| Magnesium Hardness | 942-090 | 0-420 | 975-90 | 50 |
| Manganese, LR / Leucomalachite | 942-056 | 0-23 p.p.b. | 975-56 | 50 |
| Manganese, HR / Periodate | 942-017 | 0-23 | 975-17 | 50 |
| Molybdate, LR | 942-065 | 0-5.5 | 975-65 | 50 |
| Molybdate, MR | 942-066 | 0-20 | 975-66 | 50 |
| Molybdate, MR / Thiocyanate | 942-067 | 0-20 | 975-67 | 30 |
| Molybdate, HR / Thioglycollate | 942-091 | 0-100 | 975-91 | 50 |
| Nickel / Dimethylgloxime | 942-041 | 0-12 | 975-41 | 30 |
| Nitrate / Reduction | 942-007 | 0-1.0 / 0-20 | 975-07 | 50 |
| Nitrite, LR / Diazotization | 942-024 | 0-0.5 | 975-24 | 50 |
| Nitrite, HR / Iodometric | 942-092 | 0-450 | 975-92 | 50 |
| Organophosphonate & Phosphate (Total) | 942-093 | 0-20 | 975-93 | 50 |
| Oxygen (Dissolved) / Winkler | 942-008 | 0-14 | 975-08 | 50 |
| Ozone / DPD | 942-094 | 0-2.0 | 975-94 | 50 |
| Phenol / Aminoantipyrine | 942-042 | 0-1.0 | 975-42 | 24 |
| Phosphate LR (Ortho) / Moly. Blue | 942-075 | 0-4.0 | 975-75 | 50 |
| Phosphate MR (Ortho) / Ascorbid | 942-074 | 0-50 | 975-74 | 50 |
| Phosphate HR (Ortho) / Vanadomoly | 942-077 | 0-86 | 975-77 | 50 |
| Phosphate (Total) | 942-010 | 0-4.0 | 975-10 | 50 |
| Silica, LR / Heteropoly Blue | 942-011 | 0-4.0 | 975-11 | 50 |
| Silica, MR | 942-012 | 0-15 | 975-12 | 55 |
| Silica, HR / Molybdosilicate | 942-019 | 0-80 | 975-19 | 100 |
| Sulfate / Turbidimetric | 942-013 | 0-200 | 975-13 | 50 |
| Sulfite | 942-097 | 0-500 | 975-97 | 50 |
| Surfactant | 942-015 | 0-1 | 975-15 | 24 |
| Tannin & Lignin | 942-035 | 0-9.0 | 975-35 | 100 |
| Zinc / Zincon | 942-027 | 0-3 | 975-27 | 50 |