

Precision hand-held Molybdate measurement

Formulations containing Sodium Molybdate are used as corrosion inhibitors in industrial water treatment. In particular, Molybdate finds application in cooling towers and in closed recirculating systems such as hot water heating and chilled water systems. Molybdates have replaced toxic corrosion inhibitors such as Chromates.

When using Molybdate treatment, it is necessary to control the Molybdate concentration within specified levels depending on the application involved. Molybdates are used extensively for corrosion inhibition and also as a tracer reagent in many boiler and cooling water products. Low levels of Molybdate are mixed in with the products for the determination of product levels in a system i.e. a 1.5 to 2.0 ppm level may indicate 100 ppm of product.

The Molybdate Duo Meter provides a single meter capable of measuring tracer levels of Molybdate as low as 0.10ppm, with a range of 0.0 to 20.0 ppm and a high range for measuring levels of 0 to 100 ppm as MoO₄.

The instrument is suitable for bench use in laboratories or for field use by sampling engineers or contractors. The Molybdate-Duo Meter is supplied in a soft carry pouch with a belt loop for maximum portability, or with an optional hard carry case for added convenience. The kit comes complete with test tubes, reagents and full operating instructions.

The Palintest Molybdate-Duo is supplied with a test certificate confirming conformance to calibration standards. Certified check standards are available as an optional extra.

MOLYBDATE-DUO



MOLYBDATE-DUO METER - SPECIFICATIONS

INSTRUMENT TYPE	Pre-programmed colorimeter for direct-reading of molybdate concentration.
RANGES	Dual Ranges 0.0 – 20.0 ppm (using LR reagents) and 0 - 100 ppm (using HR reagents) as MoO ₄ .
OPERATING TEMP	0 - 40°C / 32 - 104°F.
DISPLAY	Easy to read 10 mm LCD display.
OPERATION	Two button operation for easy use.
BLANK/ZERO SETTING	Optionally held in memory or reset for each reading.
INTERNAL CALIBRATION	Factory Set. Multipoint calibrations.
INSTRUMENT CASE	Splash-proof case with fully sealed cell holder.
POWER	2 x 1.5v batteries. Power management system with auto-switch off. Gives approx 20,000 readings.
SIZE:	Instrument only 173 x 75 / 44 x 41 mm.

PRODUCT ORDERING INFORMATION

PT 183	Molybdate Duo Kit with reagents (supplied in soft carrying pouch)
PT 184	Molybdate Duo Colour Check Standards
PM 258	Molybdate LR Reagents (starter packs – 50 tests)
PM 175	Molybdate HR Reagents (starter packs – 50 tests)
AP 258	Molybdate LR Reagents (replacement pack – 250 tests)
AP 175	Molybdate HR Reagents (replacement pack – 250 tests)