

## MOLYBDATE DUO

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 MoO<sub>4</sub>.

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 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.

### ORDERING INFORMATION

- PT 183 **Molybdate-Duo in soft carry pouch**
- PT 184 **Check Standards with Test Certificate**
- PM 258 **Molybdate LR Reagents starter pack (50 tests)**
- PM 175 **Molybdate HR Reagents starter pack (50 tests)**
- AP 258 **Molybdate LR Reagents replacement pack (250 tests)**
- AP 175 **Molybdate HR Reagents replacement pack (250 tests)**

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### Technical Specifications

<b>Instrument Type</b>	Pulsed LED colorimeter pre-programmed for direct reading
<b>Optics</b>	Integral focused optics with pulsed blue LED
<b>Operation</b>	Two button
<b>Ranges</b>	0.0 – 20.0 ppm (using LR reagents) and 0 - 100 ppm (using HR reagents) as MoO <sub>4</sub>
<b>Blank/Zero setting</b>	Optionally held in memory or reset for each reading
<b>Internal calibration</b>	Factory set 5-point calibration - recalibration through internal software
<b>Instrument case</b>	Splash proof case with membrane keypad
<b>Temp range</b>	0 to 50°C
<b>Power supply</b>	2 x 1.5v batteries (included). Power management system with automatic switch-off
<b>Battery life</b>	Approximately 20,000 readings
<b>Size</b>	Pocket sized: 173 x 75/44 x 41 mm