



**BUEHLER®**

# **PRIMET™ MODULAR DISPENSING SATELLITE**

- **Affordable, Abrasive Dispensing System Using Peristaltic No Mist Technology; Controls the Amount of Fluid Dispensed, Reduces Waste and Increases Specimen Consistency**
- **Manual or Semi-Automatic Operation Offer Easy Operation With User Selectable Time and Amount Dispensed**
- **Automatic On/Off Operation When Connected to Buehler Grinder/Polishers**
- **PRIMET™ Satellites May be Linked Together to Dispense Diamond Suspension and Lubricant During the Same Step**
- **Compatible With Water, Oil and Alcohol Based Suspensions; Also Diamond Suspensions, and Most Final Polishing Suspensions**
- **Using PRIMET's User Friendly Touch Panel, the Operator can Dispense Extra Fluid to Prime the Surface or Return the Fluid to the Bottle for Cleaning and Stirring**

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## Technical Data

**Operation:** Manual and semi-automatic no mist controlled dispensing with peristaltic pump

### Touch Panel Controls:

Manual Dispense  
Dispense Time 1-10 minutes, 1 minute increments

### Dispense Amounts:

Ten settings 1,2,3...0  
Approximate range 0.2-18cc/min (0.2-18ml/min)  
Fluid return to bottle to clean tubes and stir fluids

### Features

- Bottle size 16oz. (480ml)
- Dispenses abrasive suspensions and slurries including diamond, alumina (Al<sub>2</sub>O<sub>3</sub>), colloidal silica (SiO<sub>2</sub>), cerium oxide, water, oil, or alcohol base suspensions and lubricants.
- Dispenses the following Buehler products: METADI<sup>®</sup>, METADI SUPREME<sup>®</sup>, MASTERMET<sup>®</sup>, MASTERMET<sup>®</sup> 2, MASTERPREP<sup>®</sup>, METADI<sup>®</sup> Fluid, BUEHLERVANGUARD<sup>®</sup> ALUMINAS, Lapping Oil.
- 12V Electronics
- Chemically resistant, replaceable tubing
- Aluminum housing

### Nominal Shipping Weight

10 lb., 4.5kg

### Dimensions

4" W x 9" H x 5.5" D (102 x 229 x 140mm) including bottle, but not flexible support arm or tubing

## Specifications

**40-2810 PRIMET Modular Dispensing Satellite** includes peristaltic pump, one dispensing arm, tubing, one dispenser tip, Luer fittings, one 40-2824 PRIMET 16 oz. (480ml) bottle with labels, one 40-2823 PRIMET Hand Switch, one 40-2825 PRIMET 12 volt transformer for universal voltage, one PRIMET satellite to satellite 18" (457mm) USB connector, and instruction manual.

**40-2811 PRIMET Modular Dispensing Satellite** same as 40-2810 less 40-2823 and 40-2825.

## Accessories

**40-2822 PRIMET Dispensing Arm with Stand**, combines tubes for multiple satellites into one compact arm

**40-2823 PRIMET Hand Switch**, for manual on/off cycle activation

**40-2824 PRIMET Plastic Bottle**, 16 oz. (480ml) with labels

**40-2825 PRIMET 12-Volt Transformer** for Universal Voltage

**40-2826 PRIMET Tubing**, 48" (1214mm), 1/8" (3.2mm) OD x 1/16" (1.6mm) ID. Replacement tubing for use in the flexible plastic support tubes.

**40-2827 PRIMET Tubing**, 36" (914mm), 3/16" (4.8mm) OD x 1/16" (1.6mm) ID. Bulk replacement tubing for the bottle to PRIMET connection

**40-2828 PRIMET Supply Tubing with Connectors**, bottle to pump, set of 3

**40-2829 PRIMET Peristaltic Pump Replacement Tube** with connectors

**40-2830 PRIMET Dispensing Tips**, replacement, set of 10

**40-2831 PRIMET Luer Fittings**, twist lock, replacement, set of 10

**40-2832 PRIMET 18" (457mm) Satellite to Satellite USB Data Connector**, 12 volt

**40-2704 PRIMET Polisher to Satellite Connector.** Use to connect the PRIMET to other Buehler Polishers for Semi-Automatic ON/OFF activation.

**40-2706 Adapter: PHOENIX 4000 to METLAP 2000 & PRIMET 3000 and PRIMET Satellite Adapter.** Must be used with 40-2704 connector.




The PRIMET has user-friendly touch panel controls. The operator can dispense extra fluid to prime the surface prior to beginning a step or at any time during the preparation process using the left touch pad. The suspension can be returned to the bottle with the center touch pad and stirred. The right touch pad sets the time and amount dispensed. The number on the left of the LED represents time in minutes. The number on the right controls the volume. The decimal point is used to separate the two functions on the LED display and denotes stand alone operation.

For a complete listing of Buehler consumable supplies for use with the PRIMET Modular Dispensing Satellite, please refer to Buehler's Consumables Buyer's Guide.

Buehler continuously makes product improvements; therefore, technical specifications subject to change without notice.

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**SECTION**

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