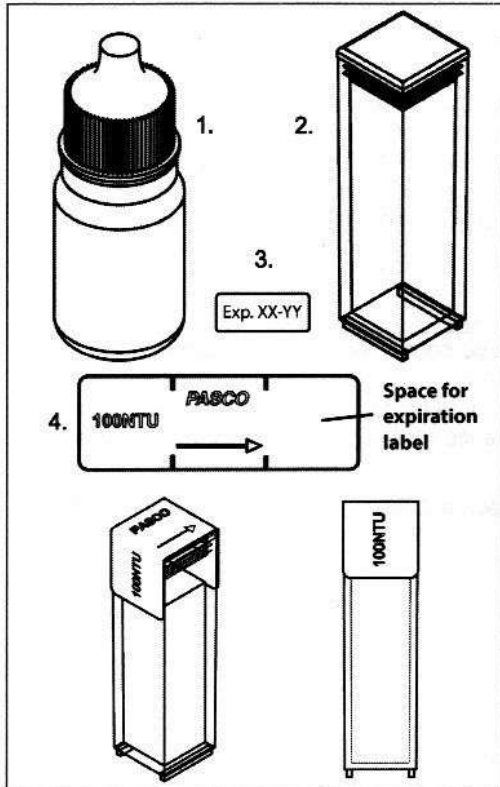


## PASCO Wireless 100 NTU Turbidity Standard SC-3512



**Description:** The SC-3512 Wireless 100 NTU Turbidity Standard is a replacement item for the PS-3215 Wireless Colorimeter and Turbidity Sensor. Use the Turbidity Standard Solution to make a calibration cuvette for the Turbidity Sensor. The NTU anagram represents "nephelometric turbidity units", a standard unit for turbidity measurements.

**Included Items:** 1. Squeeze bottle with 7 mL of 100 NTU Standard Solution. 2. Four-sided clear cuvettes with lids (quantity = 4 each). 3. Expiration date labels (quantity = 3). 4. Calibration labels (quantity = 2). Also included but not shown is the multiple page Safety Data Sheet (SDS) for the 100 NTU Standard Solution.

**Prepare a Turbidity Calibration Cuvette:** Remove the lid from one of the cuvettes. Invert the squeeze bottle five times to stir up the particles. Carefully unscrew the lid from the squeeze bottle. Invert the squeeze bottle and hold the tip over the open cuvette. Squeeze the bottle to fill the cuvette approximately three-fourths full. Recap the squeeze bottle. Put the lid on the cuvette.

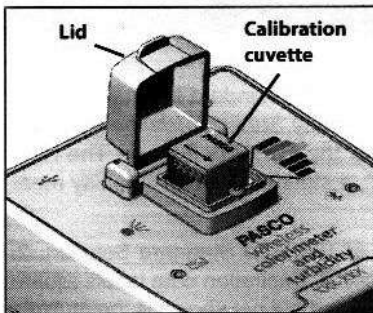
Put one calibration label over the cuvette lid as shown. Place one expiration date label in the blank area of the calibration label. The direction arrow on the label indicates which way the calibration cuvette should be placed in the sensor. When placing the cuvette in the cuvette holder, make sure that the arrow points at the screw at the front edge of the cuvette holder.

**Preparation Procedure After Long Storage:** If the 100 NTU Standard Solution squeeze bottle has been stored for more than one month, do the following before filling a calibration cuvette: Shake the bottle vigorously for one minute. Allow the bottle to stand undisturbed for five minutes to eliminate all bubbles. Gently invert the bottle five times.

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(800) 772-8700



**Measurements:** The PS-3215 Wireless Colorimeter and Turbidity Sensor measures absorbance and transmittance for six colors of light (red, orange, yellow, green, blue, and violet). It measures the turbidity level (cloudiness) of water samples in nephelometric turbidity units (NTU).

**Preparing the Wireless Colorimeter and Turbidity Sensor:** Prepare and calibrate the sensor as described in the Reference Guide.

**More Information: Wireless Colorimeter and Turbidity Sensor Reference Guide:** For more information about the Sensor, preparing the standard solution and making a calibration cuvette, go to the PASCO Web site at [www.pasco.com/manuals](http://www.pasco.com/manuals). Enter PS-3215 under **Enter Product Number** and select **Submit**. See **Resources**. The **Reference Guide** is a complete, multi-page users manual to download in PDF format. (Contact Technical Support for a printed copy of the document.)

The Wireless Colorimeter Sensor and Turbidity Sensor is designed by PASCO in California.

### For Technical Support

Phone: +1 916 462 8384 or 800-772-8700 (U.S.) Email: [support@pasco.com](mailto:support@pasco.com) Web: [pasco.com/support](http://pasco.com/support)

**FCC Statement:** This digital device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**Battery:** If the Battery status LED on the sensor blinks red, connect the sensor to a USB port or USB charger with the micro USB cable.

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