

# ATAGO® DIP-TYPE REFRACTMETER

1331868, 1331869, 1332665, 1331870(JPN)  
000906151-0001(EU)  
US D584,648 S(USA)  
Patent Granted in countries around the world.

## PEN™ Series

Dip It Right In.  
One Step Closer to Maximum Efficiency.

### Measurement temperature up to 100°C

- Extremely water resistant (IP65)
- External Light Interference (ELI) 
- Automatic Temperature Compensation (ATC)
- Calibration with water only
- Measurement in 2 seconds
- Light & compact, 70g
- Quick & easy cleanup!



PEN™-PRO

### Easy and Simple Operation

#### One-handed Operation



#### Easy Cleaning



#### Water Resistant



#### Continuous Measurement



Use it to stir inhomogenous samples while taking measurements.  
Once the START key is pressed, measurements are taken every second.

### Digital Hand-held "PEN" Refractometer

#### Measurement Method

\* When measuring hot samples, take care to avoid burns.



Dip the prism head into the sample (touch or stir).



Press the START key.



The measurement value will be displayed in 2 seconds.

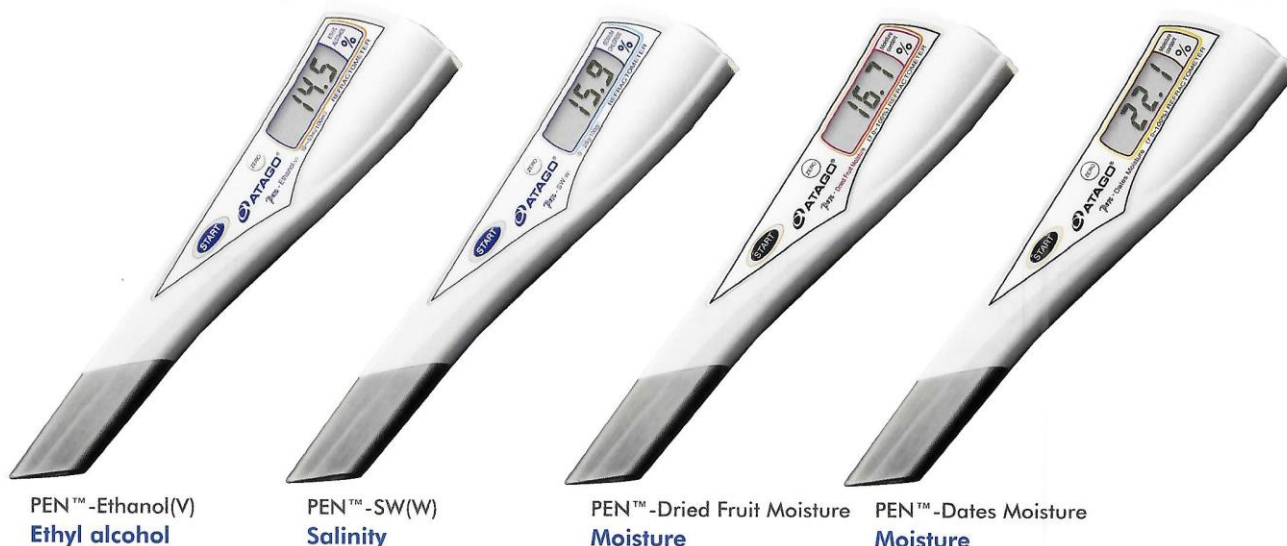
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#### PEN™-PRO Cat.No.3730

|                                          |                                                                     |
|------------------------------------------|---------------------------------------------------------------------|
| Scale                                    | Brix                                                                |
| Measurement modes                        | Continuous (continuous measurements will be displayed every second) |
| Measurement range                        | 0.0 to 85.0%                                                        |
| Resolution                               | 0.1%                                                                |
| Measurement accuracy                     | ±0.2%                                                               |
| Automatic temperature compensation range | 10 to 100°C                                                         |

## An Extensive Lineup



PEN™-Ethanol(V)  
Ethyl alcohol

PEN™-SW(W)  
Salinity

PEN™-Dried Fruit Moisture  
Moisture

PEN™-Dates Moisture  
Moisture

### Digital Hand-held "PEN" Refractometer

|                                          | PEN™-Ethanol(V)<br>Cat.No.3754<br>PEN™-Ethanol(W)<br>Cat.No.3755 | PEN™-SW(W)<br>Cat.No.3756<br>PEN™-SW(WV)<br>Cat.No.3757<br>PEN™-SW(Baume)<br>Cat.No.3765 | PEN™-Dried Fruit Moisture<br>Cat.No.3758<br>PEN™-Dates Moisture<br>Cat.No.3759 |
|------------------------------------------|------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
| Scale                                    | Ethyl alcohol                                                    | Salinity                                                                                 | Moisture                                                                       |
| Measurement modes                        | Regular (single measurement)                                     | Regular (single measurement)                                                             | Continuous (continuous measurements will be displayed every second)            |
| Measurement range                        | (V) : 0.0 to 53.0%(mL/100mL)<br>(W) : 0.0 to 45.0%(g/100g)       | (W) : 0.0 to 28.0%(g/100g)<br>(WV) : 0.0 to 33.0%(g/100mL)<br>(Baume) : 0.0 to 25.7°     | 15.0 to 100.0%                                                                 |
| Resolution                               | 0.5%                                                             | (W) (WV) : 0.1% (Baume) : 0.1°                                                           | 0.1%                                                                           |
| Measurement accuracy                     | ±1.0%                                                            | (W) (WV) : ±0.2% (Baume) : ±0.2°                                                         | ±0.2%                                                                          |
| Automatic temperature compensation range | (V) : 5 to 30°C (W) : 10 to 35°C                                 | 10 to 40°C                                                                               | 10 to 100°C                                                                    |

### Common Specifications

|                                |                                                                     |
|--------------------------------|---------------------------------------------------------------------|
| Liquid sample temperature      | 10 to 100°C                                                         |
| Measurement time               | 2 seconds                                                           |
| Power supply                   | 1×AAA alkaline battery                                              |
| Bttery life                    | About 8,000 times measurement<br>(when an alkaline battery is used) |
| International protection class | IP65 Water Resistant (Prism head: IP67)                             |
| Dimensions and weight          | 16×3.8×1.8cm, 70g (main unit only)                                  |

### Optional Accessories

- Strap  
Part No.RE-39410



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