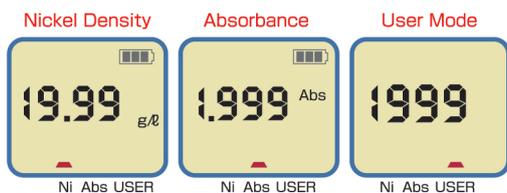


# 31 NICKEL DENSITY METER Ni-5Z

## Measurement of Nickel Density in Nickel Plating Process



### Possible to select by 3 Measuring Mode



#### Measures Nickel Density in g/l Unit or Abs Unit

g/l : 0.00~19.99 g/l (Ni-5ZL)

0.1~199.9 g/l (Ni-5Z)

Abs : 0.000~1.999 Abs

User Mode : original Linearity (0~1999 without Unit)

### Specifications

#### Meter

| Product Name/Model   | Ni-5Z<br>For high density  | Ni-5ZL<br>For low density |
|----------------------|--|---------------------------|
| Measuring Range      | Ni density : 0.0~199.9g/l<br>Absorbance : 0.000~1.999 Abs<br>User mode : 0~1999 (Non-unit) | 0.00~19.99g/l             |
| Temp. compensation   | Automatic  |                           |
| Accuracy             | Within $\pm 2\%$ of F.S. (at constant condition)   |                           |
| Calibration          | ZERO : with distilled water<br>SPAN : with Ni Standard solution                            |                           |
| Self diagnosis       | Battery check, CAL ERR, ERR etc.   |                           |
| Power supply         | Alkaline battery LR03×3 (DC 4.5V)<br>Auto power off after 30 minutes                       |                           |
| Outer dimensions     | Meter : 75(W)×38(H)×180(D)mm   |                           |
| Weight               | Approx. 300g   |                           |
| Standard components  | Meter, Detector, Measuring vessel<br>Strap, Brush, Alkali AAA batteries(LR03×3)            |                           |
| Optional Accessories | Nickel standard solution 250ml   |                           |

### Ni sensor for Low Density Measurement of various Nickel Plating Solution

Exact Measurement of Nickel Density out of various kinds of plating Solution such as Nickel Sulfate, Nickel Sulfamate, Nickel Chloride, etc.

### Excellent Chemical-Resistance and Heat-Resistance

Liquid junction is made of PFA, PVC or PX glass.

### Measuring Outline

This Meter simply and sensitively measures Density of Nickel out of various plating Solution, such as Nickel Sulfate, Nickel Sulfamate, Nickel Chloride, etc. by g/l, Abs.

Of course, complicated Operation is not Necessary.

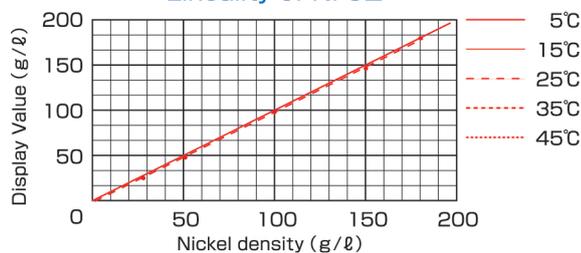
Meters and Sensors are available for both High Density and Low Density. Optional from measuring Purpose.

### Detector

| Product Name/Model  | CUD-61<br>For high density                             | NID-61L<br>For low density |
|---------------------|--|----------------------------|
| Measuring Principle | Light absorbance method                                |                            |
| Cable length        | 2m   |                            |
| Material            | SUS-304(PFA coating), PVC, or Glass                    |                            |
| Sample condition    | Temp. : within 0~45°C<br>pH : 0.0 ~ 6.5 (Acidity bath) |                            |
| Weight              | Approx 165g  |                            |

### Linearity and Temperature Characteristic

Linearity of Ni-5Z



Linearity of Ni-5ZL

