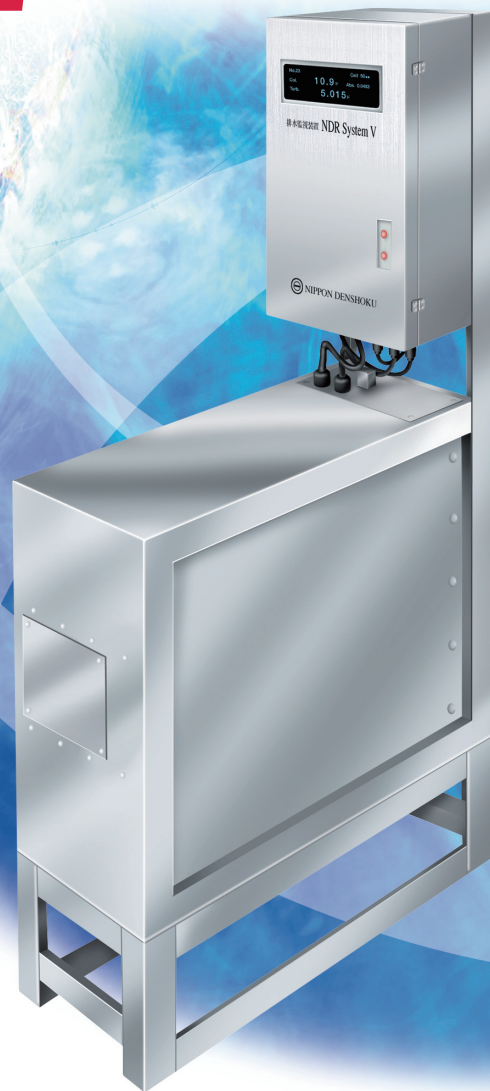


## Online Drainage Coloration & Turbidity Meter

# NDR System V



This model is used for continuous monitoring of coloration, turbidity and chromaticity of factory liquid waste and waste water from households. By setting your drainage standards, monitoring for 24 hours becomes possible, which will be helpful as the means to solve a global environment problems and establish a corporate environment management system.



### Features

1. Standard values from monitoring can be arbitrarily set by key in.
2. There are 2 alarm channels for abnormalities of upper limit value and equipment error.
3. There are 2 channels of analog output (4-20mA) to be selected from either coloration and turbidity(standard) or color contamination degree and turbidity.
4. Measurement stability is very high, thanks to its 2 light pass compensation method as well as zero calibration and repeated cleaning to be automatically done.
5. Feedwater and drain values are equipped with this model as a standard configuration for easy installation and connection with your drainage facility.
6. You can enjoy its compact design despite its permanent installation for continuous monitoring.

### Specifications

<b>Dimensions</b>	W 270mm x D 730mm x H 1,350mm (excluding ductwork)
<b>Weight</b>	Approx. 65kg
<b>Power supply</b>	100V to 240V AC, 50 / 60Hz
<b>Power consumption</b>	300VA
<b>Light source</b>	Halogen lamp, 12V 2A
<b>Measuring items</b>	Coloration, Color contamination, Turbidity, Chromaticity coordinate (Yxy), XYZ, L*a*b
<b>Measuring range</b>	<ul style="list-style-type: none"> <li>• Coloration : 0° to 10,000°</li> <li>• Color contamination : 0° to 27°</li> <li>• Turbidity : 0° to 100°</li> </ul>
<b>Measuring method</b>	Integrating sphere type photo-electric photometry

<b>Related standards</b>	<ul style="list-style-type: none"> <li>• Coloration : Ordinance for waste water color by Wakayama city (Japan)</li> <li>• Color contamination : Ordinance for pollution control by Kawasaki city (Japan)</li> <li>• Turbidity : Industrial water testing method (JIS K 0101)</li> </ul>
<b>Measurement accuracy</b>	CV value within 5%, when turbidity is 1 degree (using polystyrene, by manual sampling)
<b>Output signals</b>	<ul style="list-style-type: none"> <li>• DC 4-20mA x 2 channels (turbidity and chromaticity)</li> <li>• Relay contact output : Upper limit abnormality and equipment error</li> </ul>