Liquid-Borne Particle Sensor
KS-19F

For Chemical HF
0.03 μm

- Detects particles to 0.03 μm
- User can freely select particle size
  Up to 10 channels from 0.03 μm to 0.13 μm
- Sapphire flow cell
- With abundant options, it can be used for both in-line and off-line measurement
**Specifications [KS-19F]**

- **Optical system:** Light-scattering method
- **Light source:** Solid-state laser (wavelength 532 nm, rated output 800 mW)
- **Laser product class:** Class 1, IEC 60825-1
- **Light detector:** Silicon photodiode
- **Calibration:** Polystyrene latex (PSL) particles with refractive index 1.6 in pure water

**Example of measuring system KS-19F**

- **Connecting cable (KZ30S180, option):** Syringe Sampler KZ-31W
- **For batch measurement of liquid-borne particle sensor.**

**Sample display**

- **PARTICLE COUNTER**
  - LASER OFF
  - LIQUID LEAK
  - CELL
  - LASER POWER
  - PARTICLE MONITOR
  - PARTICLE SENSOR KS-19F

**Sample bottle**

**Waste fluid bottle**

**For operation control of particle sensor and display of measurement data**

**Controller KE-40B1**

- **Particle size range can be freely set for up to 10 channels.**
- **Built-in printer.**
- Measurement data can be stored on memory card (CF card).

**Specifications [KE-40B1]**

<table>
<thead>
<tr>
<th>Display</th>
<th>Controls</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display items</td>
<td>Particle size range (max. 10 channels), Count (max. 8 digits)</td>
</tr>
<tr>
<td>Touch panel</td>
<td>Sheet switches</td>
</tr>
<tr>
<td>Measurement time</td>
<td>10 seconds to 2 hours, or manual</td>
</tr>
<tr>
<td>Measurement modes</td>
<td>Automatic measurement: mean value measurement, moving average measurement, periodic measurement, scheduled time measurement</td>
</tr>
<tr>
<td>Alarm</td>
<td>When measured value in a selected channel reaches the preset alarm level, a buzzer sounds and alarm terminals are shorted by relay contacts</td>
</tr>
<tr>
<td>Communication</td>
<td>RS-232C</td>
</tr>
<tr>
<td>Printer</td>
<td>Printout of measurement results, date and time</td>
</tr>
<tr>
<td>Thermal paper</td>
<td>Thermal paper: TP-08, Clean thermal paper: TP-10</td>
</tr>
<tr>
<td>Memory</td>
<td>CompactFlash (CF) card (automatic storage in TSV format)</td>
</tr>
<tr>
<td>Power</td>
<td>100 to 240 V AC, 50/60 Hz, approx. 150 VA</td>
</tr>
<tr>
<td>Smears and dirt</td>
<td>140 (H) x 240 (W) x 146 (D) mm (excluding protruding parts), approx. 3 kg</td>
</tr>
<tr>
<td>Accessories</td>
<td>Power cord x 1, Thermal paper TP-08 x 2 rolls, Dummy card</td>
</tr>
<tr>
<td>Options</td>
<td>Communication cable CC-61A/63A, Thermal paper TP-08, Lint-free thermal paper TP-10, Memory card MC-25CF2 (256 MB), CF card adapter CFC-ADP03</td>
</tr>
<tr>
<td>Factory option</td>
<td>D/A converter interface KE-40-S06</td>
</tr>
</tbody>
</table>

**RP Monitor Evo10 K1701 Ver.2**

Used for controlling particle counters to regulate the start/end of measurement and turn the light source/built-in pump on and off. Measurement time, period, number of measurements, alarm, and conversion settings

- **Allows control of up to 8 particle counters in serial mode, using 8 ports.**

Operating system: Microsoft Windows 10 Pro 64 bit

**Example of measuring system KE-40B1**

- **Option:** Connection cable (2 m) KZ-42-126

**Syringe Sampler KZ-31W**

For batch measurement of liquid-borne particle sensor.

- **Connecting cable (KZ30S180, option)**

**Distribution by:**

- RION CO., LTD.
  - ISO 14001 RION CO., LTD.
  - ISO 9001 RION CO., LTD.
  - 3-20-41, Higashimotomachi, Kokubunji, Tokyo 185-8533, Japan
  - Tel: +81-423-59-7878, Fax: +81-423-59-7458

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