Eddy Current Level Meter
ECLM2000 Series

The ECLM-2000 Series level meter has been designed for use as a molten-metal level control sensor within molds form the continuous casting equipment of iron manufacturing plants, and it comprises a detector, amplifier, and a special cable.

MA2000A FEATURES

Innovation
- Short setup time (Automatic setup / USB data input).
- Available Mold oscillation signal reverse-phase-cancellation (MOC).
- One point calibration / Multi point calibration available.

Reliability
- Durable box and water proof connectors.
- Very low thermal drift.
- CE Marking certified (IEC61010-1:2010).
- Compatible with latest EMS/EMB.

User Friendly
- Compatible terminal box option (MA2000AJB).
- Easy upgrade from legacy ECLM (MA600 / 700 / 1000).
- Touch Screen Display.
- Easy to use Button Icons.
- Useful Oscilloscope function for wave signal setup.
- Helpful wave signal automatic setup.
- USB port

Eco Friendly
- RoHS.
- Power efficiency (Power trans less).
- Worldwide power supply.
- Space efficient very compact Box.

Experience
- NIRECO’s Mold Amplifier ECLM system (NKK Sensor System) has 35th year experience.

Specifications

<table>
<thead>
<tr>
<th>Detector</th>
<th>Model</th>
<th>Measurement range</th>
<th>External dimensions</th>
<th>Weight</th>
<th>Applicable molds</th>
<th>Thermal drift</th>
</tr>
</thead>
<tbody>
<tr>
<td>SB-028</td>
<td>0 - 100 mm</td>
<td>28 × 194 mm</td>
<td>0.5 kg</td>
<td>Billet, Bloom</td>
<td>±0.25mm/ºC (mold level 70mm)</td>
<td></td>
</tr>
<tr>
<td>SB-3035A</td>
<td>0 - 150 mm</td>
<td>35 × 170 mm</td>
<td>0.6 kg</td>
<td>Billet, Bloom, Slab</td>
<td>±0.25mm/ºC (mold level 100mm)</td>
<td></td>
</tr>
<tr>
<td>SB-3050A</td>
<td>0 - 200 mm</td>
<td>51 × 185 mm</td>
<td>0.9 kg</td>
<td>Slab</td>
<td>±0.15mm/ºC (mold level 100mm)</td>
<td></td>
</tr>
<tr>
<td>SB-0607F</td>
<td>0 - 150 mm</td>
<td>60 × 150 mm</td>
<td>1.0 kg</td>
<td>Slab</td>
<td>±0.25mm/ºC (mold level 100mm)</td>
<td></td>
</tr>
</tbody>
</table>

Principle of The Eddy Current Level Meter

carrier

modulation wave
wave of detection

OSC

modulation wave

G2(Vs2=Vs1)

carrier

G1(Vs2=Vs1)

magnetic field

magnetic field

magnetic field