**Type KOR-20E**

**High accuracy, extended range outdoor current transformer**

### Product features
- 34.5 kV outdoor
- 200 kV BIL, 60 Hertz
- Primary amperes: 5-1200
- Electrical clearances:
  - Strike: 15.75" (400 mm)
  - Creep: 36.50" (927 mm)
- Approximate weight: 110 lbs (50 kg)

### Application
The KOR-20E high accuracy, extended range outdoor current transformer is designed for metering and relaying on outdoor 34.5 kV circuits and is available in single and dual ratio designs. Dual ratio designs are accomplished by tapping the secondary winding.

### Construction features
Primary and secondary windings are assembled around a toroidal core and attached to a support frame. For insulation and protection, the assembly is cast in hydrophobic cycloaliphatic epoxy (HCEP) using automatic pressure gelation. The HCEP material offers superior arc track, ozone, and ultraviolet-resistant properties while maintaining physical strength. The hydrophobic surface properties of HCEP ensure highly reliable performance in wet or humid environments.

### Terminals
Primary terminals are electro-tin plated copper. Clamp-type secondary terminals accommodate #14 through #1 wire. The X2-X3 terminals form the standard tap connections when the transformer is tapped.

### Junction box
The junction box is provided with 1" conduit hubs on each end and a knock-out for fitting a conduit connection from the bottom. It may be detached for ease of installation and changeout procedures.

### Baseplate
The baseplate is constructed of corrosion-resistant aluminum and is secured to the encapsulated base support.

### Mounting
The KOR-20E can be mounted in upright, cantilever, or upside-down positions. Stress relief devices should be used to support cable connections.

### Extended range
ABB’s standard high accuracy design delivers high accuracy and stable performance over a wide load swing, making it a great fit for variable load applications. Accuracy is guaranteed to be +/- 0.3% from 5% of nominal current to nominal current and +/- 0.15% from nominal current through rating factor. ABB’s standard high accuracy units deliver savings through improved accuracy metering and reduced inventory.

### Test reports
Test reports are stored electronically and can be e-mailed in various formats at the time of shipment.

### Standards
This unit can be tested to all applicable IEEE, CSA, or IEC standards as requested. This unit is tested in accordance with IEEE C57.13.6-2005 for high accuracy instrument transformers.
Selection guide

<table>
<thead>
<tr>
<th>Primary ampere rating</th>
<th>Rating factor @ 30° C</th>
<th>IEEE metering accuracy</th>
<th>IEEE relay accuracy</th>
<th>Thermal rating (times normal, 1 sec)</th>
<th>Mechanical rating (times normal)</th>
<th>Style number</th>
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Note: 50 Hz designs available

Additional styles available upon request. Contact your ABB sales representative or call +1-252-827-3212 for more information.

Dimensions

For more information please contact:

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