

# General Specifications

## /RSV HiRes™ Resolver Overview For General and High Speed Applications



The Signature Technologies /RSV HiRes™ Resolver is an extremely rugged environmentally sealed brushless position transducer. Connections are made by an environmentally sealed MS connector.

This product is immune to sudden changes in the environmental conditions and because it is a rationmetric device is also immune to changes in voltage, frequency or temperature.

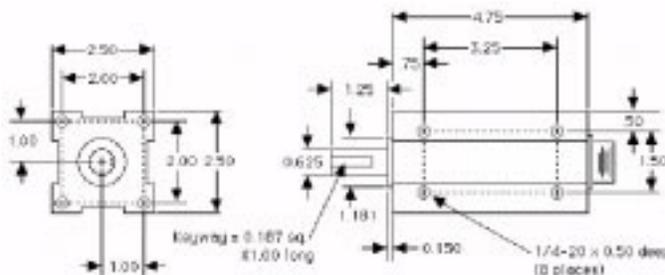
It has a 5/8" shaft and an oversized double row sealed bearing and NEMA13 rated enclosure.

This resolver is one of the few that survive the challenge of high speed presses. It is commonly used as a replacement to minimize downtime frequent with other resolvers not designed for such a harsh enviroment. It's companion /BKA Bruderer Mounting Kit is and excellent choice for upgrading or installing resolvers on Bruderer High Speed presses.

Ask for our publication **Resolver Installation Considerations** for a detailed guide to mounting, installation, and drive component selection for resolvers on rotating machinery such as mechanical presses or down load it from our website.

<b>Specifications:</b>	<b>Features:</b>
<p><b>Mechanical</b></p> <p>Shaft Diameter: 5/8"            Shaft Loading: Radial: 400lbs; Axial: 200lbs            Starting Torque: 8oz.in. @ 25° C.            Moment of Inertia: 20oz-in-sec<sup>2</sup>            Max Slew Speed: 5000 RPM            Weight: 4lbs.</p> <p><b>Environmental:</b></p> <p>Operating Temp: -20 to 125° C.            Shock: 200g's for 11msec.            Vibration: 20g's to 2000hz            Enclosure: NEMA 13</p>	<ul style="list-style-type: none"> <li>• Absolute Brushless Resolver Based Transducer</li> <li>• Totally Passive - No Sensitive Components</li> <li>• Dependable in Harsh Environments</li> <li>• 5/8" Shaft w/ Keyway</li> <li>• Sealed Bearing on Input Shaft</li> <li>• Internal Isolation Between Shaft and Resolver</li> <li>• Sealed Mil-Spec Output Connector</li> <li>• Superior Noise Immunity</li> <li>• NEMA13 Rating</li> </ul> <p><b>Options:</b></p> <p>ST/BKA Bruderer Mounting Kit            ST /CNV HiRes™ Converter/Repeater            Cables, Custom Drive Kits and Cover Shields</p>

### Mounting Details:



### Electrical Connector Pins:

Signal	Func.	Connector Pin
Rotor	R1	Pin A/D
Rotor	R2	Pin B
Cosign	S1	Pin F
Cosign	S3	Pin G
Sine	S2	Pin E
Sine	S4	Pin C

### Ordering Information:

Order Part No. :	/RSV
Cables: 30 Foot:	/R30
50 Foot:	/R50
75 Foot:	/R75
(>100') Foot:	/RXXX
Connector Kit:	/RSC

Signature Technologies, Inc. reserves the right to make changes at anytime without notice. Portions of this product and related software are protected under US Copyright and US Patents 4,987,528 and 5,491,647. Other US and Foreign Patents Pending. Signature Technologies®, signatureACE®, Statistical Process Controller® are registered trademarks of Signature Technologies, Inc. ARCNET® is a registered trademark of Datapoint. © 1997-99 Signature Technologies, Inc., Dallas, TX USA - All Rights Reserved.