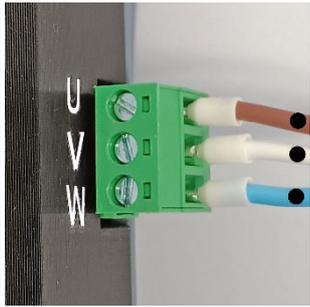
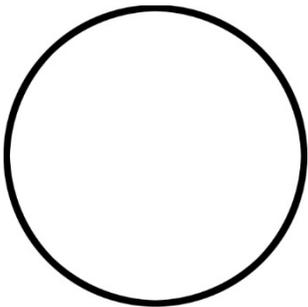


Job Ref:		Date:	
Customer:		Tested by:	

## SMARTsolver Test Record Sheet

(Test / Motor Calibration details)

Motor model		Serial #:																																															
Encoder brand:		Encoder model																																															
Supply voltage:		Encoder type	Incremental / Resolver / EnDat / Hiperface																																														
<b>Cal Value</b>	°P																																																
<p>Windings: Draw connections from U, V &amp; W on the SMARTsolver to the pins on the connector.</p>																																																	
Incremental Encoder		Resolver																																															
<table border="1" style="width: 100%; height: 100px; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> <td style="width: 10%;"></td> <td style="width: 10%; text-align: center;">A</td> <td style="width: 10%; text-align: center;">B</td> <td style="width: 10%; text-align: center;">Z</td> <td style="width: 10%; text-align: center;">A̅</td> <td style="width: 10%; text-align: center;">B̅</td> <td style="width: 10%; text-align: center;">Z̅</td> </tr> <tr> <td style="text-align: center;">+</td> <td style="text-align: center;">-</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">3</td> <td style="text-align: center;">4</td> <td style="text-align: center;">5</td> <td style="text-align: center;">6</td> </tr> </table>				A	B	Z	A̅	B̅	Z̅	+	-	1	2	3	4	5	6	<table border="1" style="width: 100%; height: 100px; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> </tr> <tr> <td style="text-align: center;">COS LO</td> <td style="text-align: center;">SIN</td> <td style="text-align: center;">COS</td> <td style="text-align: center;">SIN LO</td> <td style="text-align: center;">Shield</td> <td style="text-align: center;">Shield</td> <td style="text-align: center;">R2</td> <td style="text-align: center;">R1</td> <td style="text-align: center;">S4</td> <td style="text-align: center;">S3</td> </tr> <tr> <td style="text-align: center;">S4</td> <td style="text-align: center;">S3</td> <td style="text-align: center;">S2</td> <td style="text-align: center;">S1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>												COS LO	SIN	COS	SIN LO	Shield	Shield	R2	R1	S4	S3	S4	S3	S2	S1						
		A	B	Z	A̅	B̅	Z̅																																										
+	-	1	2	3	4	5	6																																										
COS LO	SIN	COS	SIN LO	Shield	Shield	R2	R1	S4	S3																																								
S4	S3	S2	S1																																														
Colour		Colour																																															
Pin #		Pin #																																															
EnDat Encoder		Hiperface Encoder																																															
<table border="1" style="width: 100%; height: 100px; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> </tr> <tr> <td style="text-align: center;">5V</td> <td style="text-align: center;">0V</td> <td style="text-align: center;">Data -</td> <td style="text-align: center;">Data +</td> <td style="text-align: center;">Clock -</td> <td style="text-align: center;">Clock +</td> <td></td> <td></td> </tr> </table>										5V	0V	Data -	Data +	Clock -	Clock +			<table border="1" style="width: 100%; height: 100px; border-collapse: collapse;"> <tr> <td style="width: 10%;"></td> </tr> <tr> <td style="text-align: center;">9V</td> <td style="text-align: center;">0V</td> <td style="text-align: center;">Dat +</td> <td style="text-align: center;">Dat -</td> <td style="text-align: center;">Sin</td> <td style="text-align: center;">Refsin</td> <td style="text-align: center;">Cos</td> <td style="text-align: center;">RefCos</td> </tr> </table>										9V	0V	Dat +	Dat -	Sin	Refsin	Cos	RefCos														
5V	0V	Data -	Data +	Clock -	Clock +																																												
9V	0V	Dat +	Dat -	Sin	Refsin	Cos	RefCos																																										
Colour		Colour																																															
Pin #		Pin #																																															

Notes: