

Renishaw CMM Products Division

PRODUCT BULLETIN – PBC1701

Product:	REVO RSP3-4	Status:	Open
Title:	RSP3-4 improvement	Date:	24 October 2013

Originator: Gareth Puntis		Distribution:
		Internal ✓
Reviewer: Andy Holding		Subsidiaries ✓
		OEMs ✓
		Distributors ✓
		Retrofitters ✓

Summary:

As part of ongoing improvements to REVO, Renishaw has released a new version of the RSP3-4 3D scanning probe with improved long term stability and scanning performance. The RSP3-4 is designed for applications requiring an effective working length of 220-400 mm.

As seen, the new RSP3-4 probe can be identified by the small HD engraved on its back. This product variant has previously been referred to as RSP3-4HD.

There is no change in list price between the legacy and this 2nd generation product. The part number (A-3060-0034) also remains unchanged.



Further details:

The improved stability and performance of the new RSP3-4 arises from the higher level of damping that has been achieved within the module. We have carried out extensive testing to ensure that the changes to RSP3-4 will improve its ability to operate with SH25-4 and SH25-4A stylus holders.

Please note: There is no need to swap out probes that are currently in place unless users are experiencing problems.

Crank and styli carrying capability

Module / stylus holder	Maximum effective working length (straight styli)	'Crank down' distance using an extension between the stylus holder and the crank centre	3D scanning maximum 'crank out' distance when measured to tip of crank (star) stylus	2D scanning and point taking maximum 'crank out' distance when measured to tip of crank (star) stylus	Maximum permissible mass of crank (star) centre plus all styli	Max operating stylus tip deflection in any orientation
RSP3-4 / SH25-4	400 mm	205 mm	58 mm	83 mm	11 g	0.4 mm
RSP3-4 / SH25-4		225 mm			10 g	
RSP3-4 / SH25-4		255 mm			8 g	
RSP3-4 / SH25-4A		205 mm			11 g	
RSP3-4 / SH25-4A		225 mm			10 g	
RSP3-4 / SH25-4A		255 mm			8 g	

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