

RCU spares list

Overview

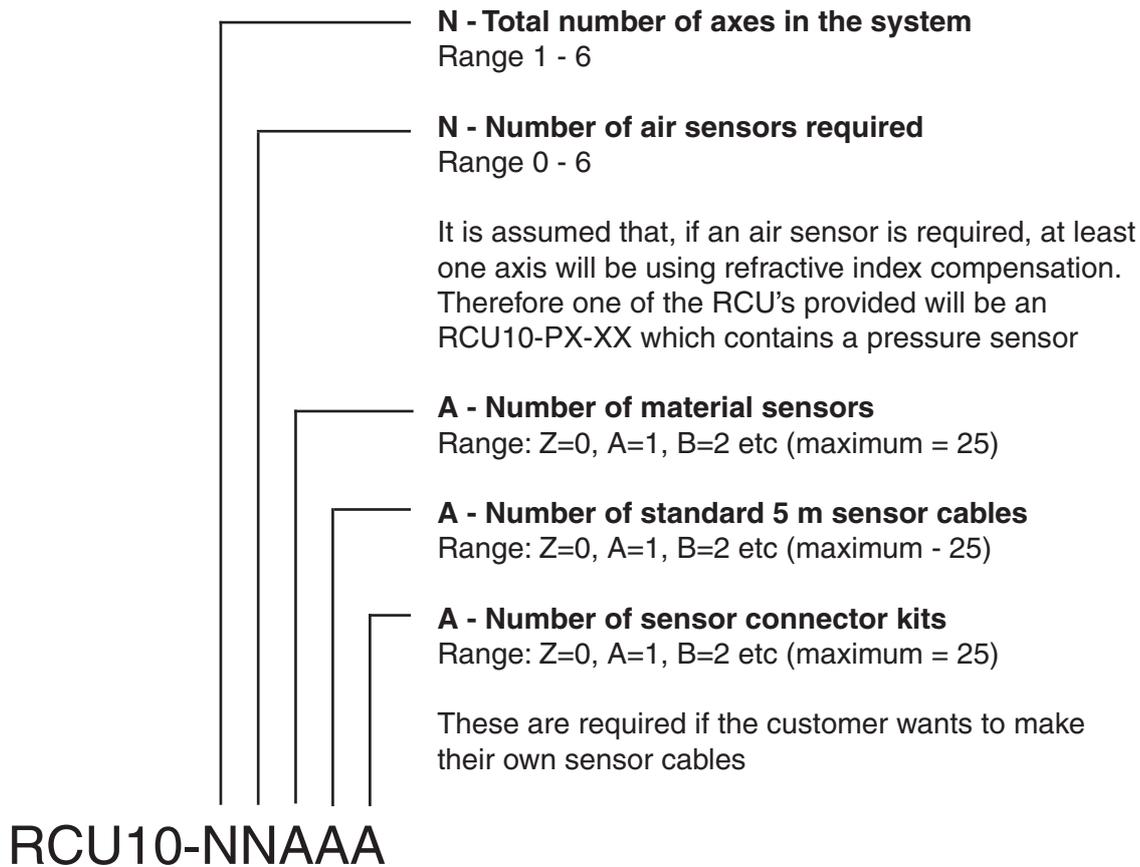
This application note gives a visual parts identification for the RCU compensator system. To order spares please contact your local Renishaw office at www.renishaw.com/contact

Defining kit numbers

To simplify the ordering process, complete systems can be identified through one kit part number. The format of this kit part number is shown below, along with the tables that identify the contents.

Kits for laser compensation applications include one RCU10-PX-XX, whilst kits for non-laser applications include only RCU10-XX-XX units.

Any of the parts may be ordered separately if required.



Description	Part number	Image
<p>RCU10 compensation unit with pressure sensor</p> <p>For applications that use a laser encoder and require refractive index compensation, the RCU10-PX-XX unit is a requirement. In multi axis applications only one RCU10-PX-XX is necessary because compensation for additional axes is provided by RCU10-XX-XX units</p>	RCU10-PX-XX	
<p>RCU10 compensation unit</p> <p>Similar to RCU10-PX-XX, however this assembly does not contain a pressure sensor</p>	RCU10-XX-XX	
<p>Air temperature sensor</p> <p>The air temperature sensor is used in applications that require refractive index compensation</p>	RCU10-AT-XX	
<p>Material temperature sensor</p> <p>The material temperature sensor is used in applications that require scale, workpiece or machine structure compensation</p>	RCU10-MT-XX	
<p>Sensor cable</p> <p>A five metre cable that connects sensors directly to the sensor ports on the RCU10 units, or to the remote sensor distribution units</p>	RCU10-TC-X5	
<p>RCU10 CS software</p> <p>Supplied on a CD-ROM, this software enables the user to configure the RCU compensation system</p>	RCU10-CS-XX	
<p>RCU10 connector kit</p> <p>Allows custom specification cables for Power, RLU - RCU connection, RCU - PC connection to be made</p>	A-9904-1455	
<p>Sensor connector kit</p> <p>Allows custom specification cables for ATS/MTS sensors to be made. One kit provides parts for one sensor</p>	A-9904-1636	
<p>High speed serial link</p> <p>The high speed serial link allows a number of RCU10 units to be linked as a network</p>	A-9904-1451	
<p>PC RS232 cable</p> <p>This is used to connect a computer serial port to the RCU10 compensation unit</p>	A-9904-1456	

Description	Part number	Image
<p>Serial-USB adaptor Converts RS232 connection to USB. Required when PC does not have RS232 input</p>	A-8014-0670	
<p>Sensor distribution box The RCU10-DB-XX distribution box allows a network of up to four sensors to be connected to each sensor port of the RCU10 compensator. A maximum of eight sensors per RCU10 can be used with a maximum of 32 in a multi-axis system</p>	RCU10-DB-XX	
<p>Armoured sensor cable (5 m) Heavy duty version of ATS/MTS cable (RCU10-TC-X5) for applications where a more robust cable is required</p>	RCU10-AC-X5	

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- Raman spectroscopy systems for non-destructive material analysis
- Sensor systems and software for measurement on CMMs
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