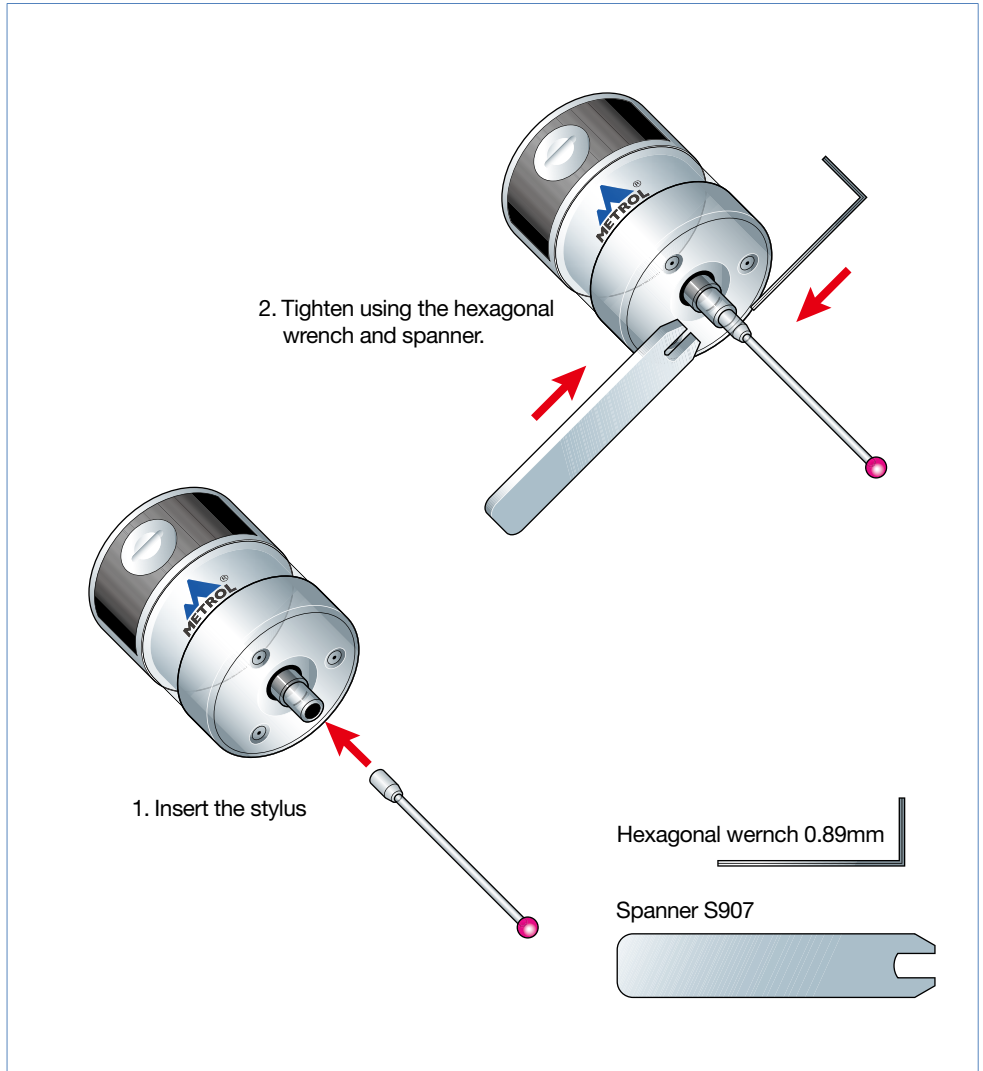


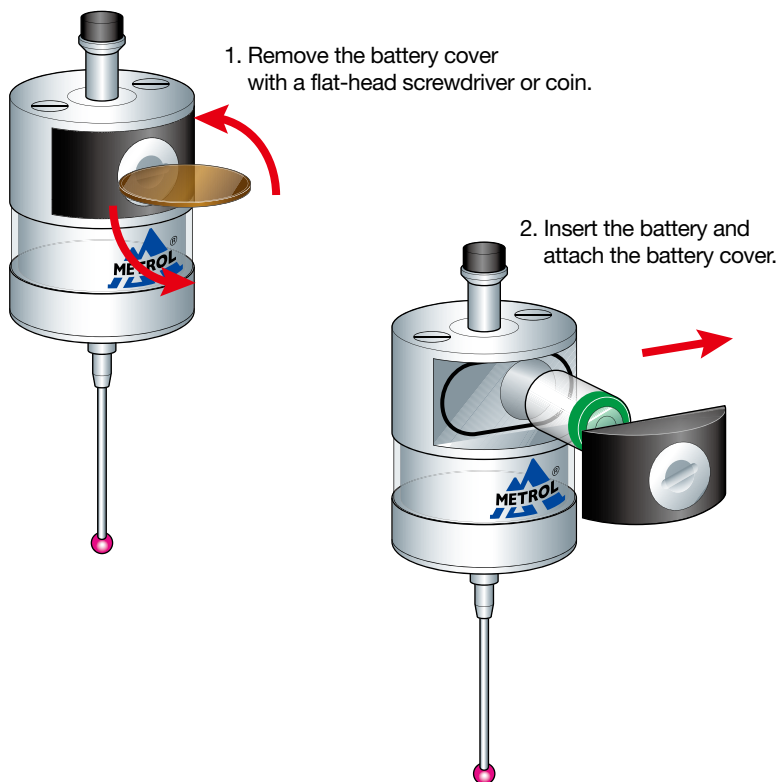
8. Transmitter installation

8-1 Stylus attachment (RC-K3E)



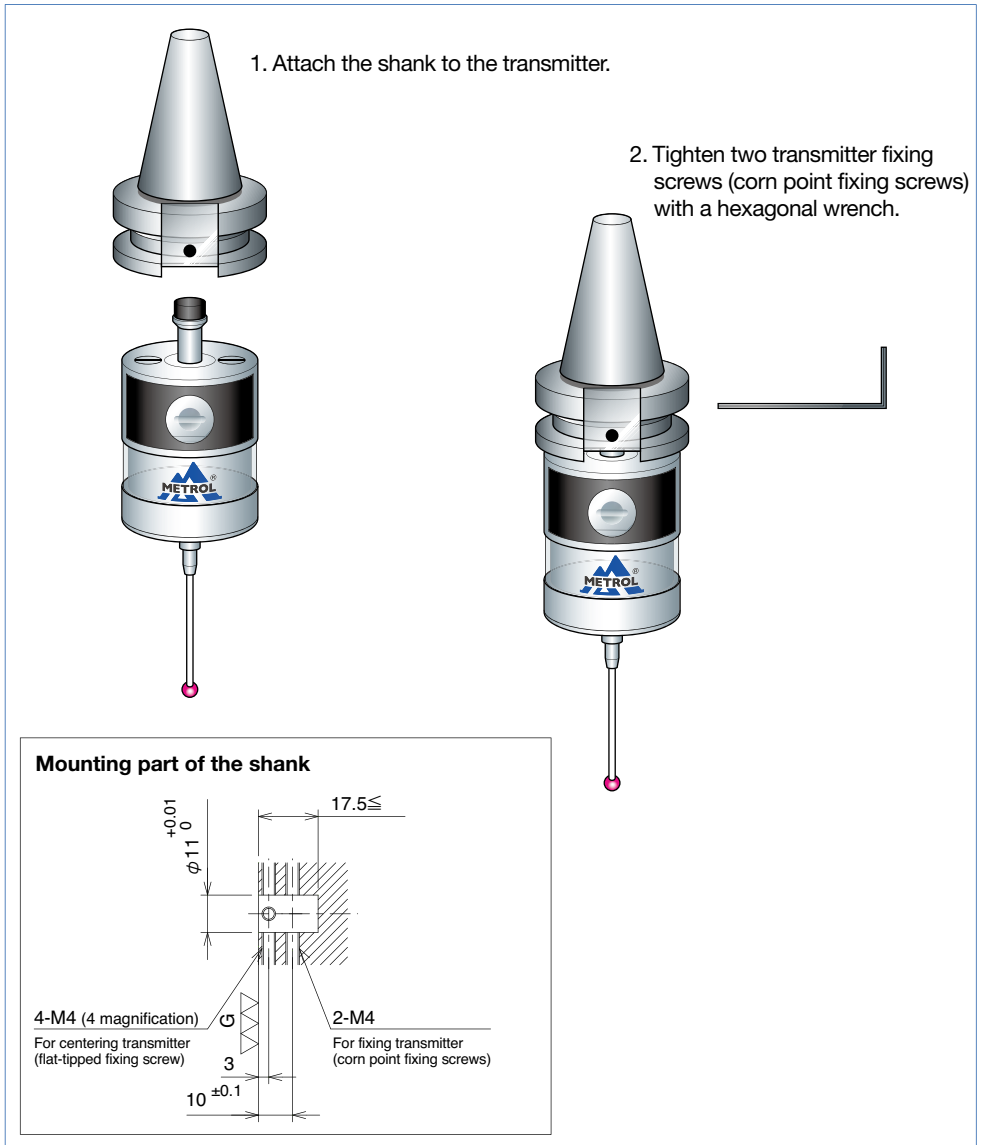
8-2 Installing the battery

- Confirm the alignment of the battery electrodes when inserting the battery.
- Does not function properly if a dead battery is mistakenly inserted into the transmitter.
- Do not allow coolant or cuttings to get inside the battery case.



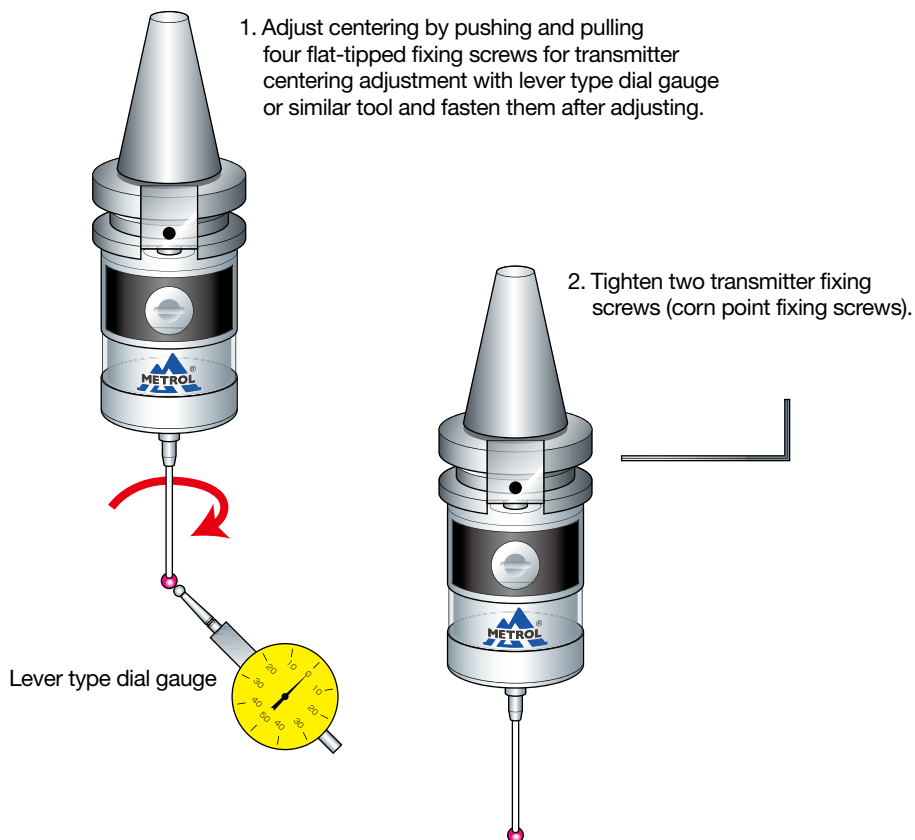
8. Transmitter installation

8-3 Attachment of the transmitter to shank



8-4 Stylus centering adjustment (mainly for RC-K3E)

Caution : It is necessary to recheck the centering adjustment if the transmitter has been dropped.
Absolutely never strike the transmitter when adjusting centering.

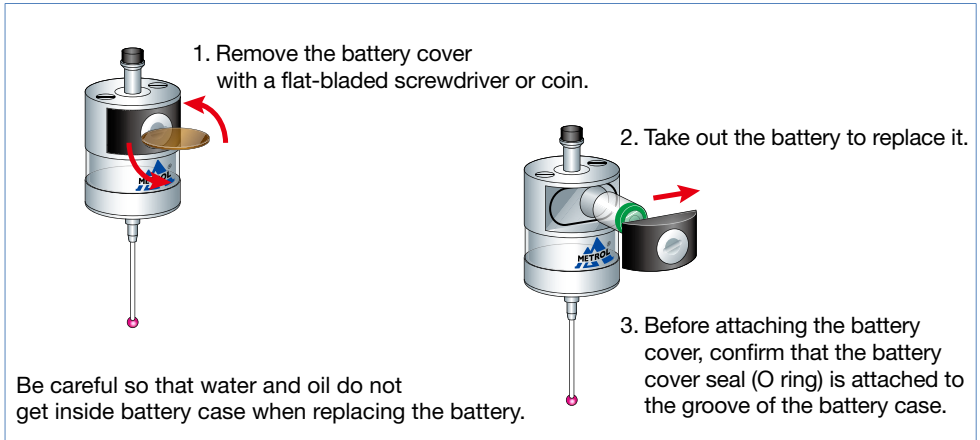


9. Maintenance

■ Cleaning the transmitter

Wipe the window of the transmitter with a clean cloth to remove any cuttings and other debris such as coolant. Clean the transmitter regularly to maintain the signal transmission capabilities of the transmitter in the optimum state.

■ Battery replacement



Caution:

- Confirm that the electrodes are correctly aligned when replacing the battery.
- Does not function properly if a worn down battery is mistakenly inserted into the probe.
- Do not leave a worn down battery installed in the transmitter.
- Confirm that the battery cover seal (O ring) has not been removed and use caution to prevent it from being damaged.
- Be careful so that coolant or cuttings do not get inside battery case when replacing the battery.
- Before attaching the battery cover, check to make sure there is no damage or debris on the seal and its contact surface.
- Refer to page 3 for information on safe use of the battery.
- After having replaced a worn down battery, wait for at least 15 seconds before inserting a new battery.

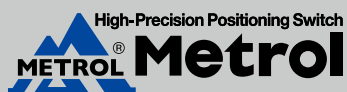
This image shows a full page of handwriting practice paper. It features a solid blue horizontal line at the top edge. Below this line, the entire page is filled with evenly spaced, horizontal dashed lines, providing a guide for letter height and placement. The background is plain white, and there are no other markings or text on the page.

10. Troubleshooting

Problem	Possible Cause	Corrective Action
Transmitter power does not come on.	Dead battery	Replace the battery.
	Use of battery other than recommended battery	Replace the battery.
	Battery is installed improperly	Check the alignment of the electrodes of the battery.
	The time the battery has been removed is too short, preventing the transmitter from resetting.	Wait for at least 15 seconds before installing a new battery.
Tranmitter does not operate even when the measurement cycle is executed.	Transmitter does not switch to the Measuring mode.	Check whether the M code output (power ON signal) of the control device is pulse or level. Receiver is set to pulse input as the factory default settings. In case of level output, turn on the DIP switch No.7 of the receiver to set to level input.
	Transmitter starts measurement before switching to Measuring mode.	Turn on the dwell after M code (power ON signal) switched on.(It takes up to a second to switch to a measurement mode after receiving the power ON signal. In case of poor communication environment, it might take up to 3 seconds.)
	Probe's power supply is off state .	After confirming that the transmitter is within the range of movement try sending M code (power ON signal) again.
	Transmitter and receiver outside signal transmission range.	Check the positional relationship between the transmitter and receiver (refer to P17).
	Dead battery	Replace the battery.
Machine stops at an unexpected location during the measurement cycle.	Defective wireless communication or transmitter is outside signal transmission range.	Check the position of the receiver and remove any obstacles.
	Problem with control device.	Refer to the user's guide of the control device.
	Dead battery	Replace the battery.
	Transmitter unable to detect target object.	Check whether workpiece is properly installed and secured and whether the stylus has been damaged.
	Mulfuction (false detection) due to sudden acceleration and deceleration	Inspect the measurement software.
Collision with probe	Workpiece present on transmitter movement path.	Inspect the measurement software.

Problem	Possible Cause	Corrective Action
Defective repeatability or measurement accuracy	Debris present on workpiece or transmitter.	Clean the workpiece or transmitter.
	Inadequate coupling between probe and shank or loose stylus	Check each location and retighten.
	Defective repeatability of sensor replacement by ATC	Recalibrate the sensor whenever the it is changed.
	Calibration value has not been updated or calibration value is incorrect.	Inspect the measurement software.
	Difference in transmission rates between calibration and measurement	Inspect the measurement software.
	Sensor ON signal is output before contacting the workpiece (signal output due to machine acceleration or deceleration)	Inspect the measurement software.
	Problem with control device	Inspect control device accuracy.
Receiver communication error LED lights during measurement cycle.	Transmitter and receiver outside signal transmission range.	Check the positional relationship between the transmitter and receiver (refer to P17).
Receiver battery alarm LED lights/flashes	Battery is worn down.	Promptly replace the battery.
Signal transmission range excessively short.	Interference by other wireless device	Identify and remove the source of the interference.
LED lights during processing. (transmitter power does not turn off.)	M code (power OFF signal) not transmitted from receiver.	Inspect M code (power OFF signal) of the measurement program.
Com. LED flashes more than 5 minutes after machine power turned on.	Transmitter and receiver outside signal transmission range.	Check the positional relationship between the transmitter and receiver (refer to P17).
	Problem with receiver	Please contact us.

The specifications and descriptions are subject to change without notice due to improvements in products.



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