Ruska 7615 Pressure Controller
After Service Startup Guide

Serial Number		Date Received	

Date	Initials	Task	Action	Date	Initials	Task	Action
		1. Physical Inspection	Ensure no mechanical shocks subjected to the calibrator during shipment. Inspect crate, other packaging and shock/tilt sensors. Unplug ports, if plugged, before operating.			5. Test Port Connections	Ensure minimum volume of 50 cc is attached to test port before controlling to full scale. Operating ruska 7615 Pressure Controller at volumes less than 50 cc could result in damage to the sensor.
		2. Physical Stability	Ensure no mechanical shocks subjected to the calibrator during installation or use. It should be mounted on a rigid bench or in a sturdy 19 in (48.3 cm) rack. Avoid thermal and mechanical shock to the instrument. Never operate the unit with the cover removed.			6. Purge Lines	Connect the TEST port to a volume or plug it. Loosen the TEST port connection. Control pressure at anywhere from 100 to 2000 psi. Watch for fluid leakage in the TEST port until steady oil stream is observed. Close and tighten the port.
		3. Media Reservoir and Operating Fluid	Reservoir caps are tightened for shipment. Loosen cap before operating to avoid building vacuum inside the reservoir. Ensure the system reservoir is filled with its normal operating fluid and fluid level is sufficient. Error message -703 on display indicates reservoir level low.			7. Initial Control Test	Perform with the TEST port plugged. Vent the pressure controller from the front panel main menu (the key F3). Control in 10% increments up to 90% FS to ensure proper control.
		4. Default Settings	Verify default settings are correct. Limit defaults are critical for initial checks. From the front panel main menu press MENU, SETUP, and LIMITS (the F1 key). Highlight each line, press DEFAULT (the F1 key) to show the default value, then press ENTER to use default value for the line highlighted.			8. Initial Leak Test	Set the full scale to 90-95% FS and let the unit control for 5 min to ensure stabilization. From the front panel, press MEASURE and let pressure stabilize for 5-10 min. Press MENU, TEST, and PURGE. Collect leak rate data on system side and pump side for minimum of 60 sec. Ensure leak rate is better than 0.04% FS per min.

Control Issues?

Date	Initials	Task	Action
		1. Pump Calibration	From the front panel press MEASURE, MENU, TEST, PUMP, PUMP CAL (the F5 key). Approximate time is 5 min.
		2. Sensor Allignment	From the front panel press MENU, TEST, TUNE, CAL (the F2 key). Approximate time is 20 min.
		3. Autotune	From the front panel press MENU, TEST, TUNE, TUNE (the F3 key). Approximate time is 45 min.

Note: Do not change to MEASURE mode at full scale (max) pressure as this may blow the burst disc. Switching modes may cause a pressure spike and blow the burst disc. Before changing mode to MEASURE, control pressure down to 95% Full Scale

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