Foxboro AI2 2500M/AI2/XXXXX/XXXXXX

Connection and setup sequence

01	Identify both sensors independently, including signal type, operating span and the engineering units used by the application.
02	Verify the fitted terminal unit. Use the TC version for cold-junction compensation or the current version with its shunt where those functions are required.
03	Reconnect the field conductors with their original polarity and lead allocation. Resistance and high-impedance circuits require particular care with unintended parallel paths.
04	Restore the channel interpretation and scaling before comparing the displayed value with a test source. Keep affected control and alarm actions in their agreed maintenance state.

Functional verification

Test	Method
Temperature simulation	Use the appropriate thermocouple or resistance simulation; check the low, middle and high portions of the selected operating span.
Current injection	Inject known values through the intended mA connection and compare the complete current-to-process conversion.
Channel assignment	Exercise one input at a time and confirm that the expected controller point changes without exchanging the two channel identities.

Return to operation

Retain sensor type, termination type, lead arrangement and scaling with the test results. Restore the actual sensor after simulation and verify that process indication and alarm handling are consistent with the restored circuit.

Other Foxboro catalogue pages — separate products

Foxboro P0916DB

Foxboro P0916CC