NAMUR NE107 Diagnostic Status Guide

Vendor neutral fault finding guide for field technicians

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Before you start

- Permit, isolation and control room informed.
- Put the loop in manual or inhibit trips as authorised.
- Use certified test equipment in hazardous areas.
- Record as found readings before changing anything.

Quick checks

- Read the detailed diagnostic behind the status.
- Map statuses to alarms and maintenance work orders.
- Do not suppress F status at the DCS.

Symptoms, causes and fixes

Symptom	Likely causes	Checks and fixes
F: Failure	Device or process fault, output not valid	Treat measurement as bad; repair
C: Function check	Local work: simulation, calibration, configuration	Confirm work in progress; return to normal
S: Out of specification	Outside measuring limits or uncertain conditions	Check process conditions and installation
M: Maintenance required	Valid but wear or drift detected	Plan maintenance before failure

Related NAMUR NE43 current levels

Current	Meaning
3.8 to 20.5 mA	Valid measurement
≤ 3.6 mA	Failure downscale
≥ 21.0 mA	Failure upscale