LOADSHACKLE / ELECTRICAL RFQ PREPARATION WORKSHEET

Cabled shackle and PLC integration worksheet

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BLANK PREPARATION WORKSHEET. Not a terminal diagram, operating instruction, calibration certificate or machine safety approval. The issued configuration drawing and equipment specifications control.

1 - Identify the actual measurement chain

Project / quantity / requested WLL and explicit units: _____

Assembly / instrument serial and drawing revision: _____

Receiving PLC or indicator maker / input-module model: _____

Intended use: indication / logging / proposed control review: ___

2 - Define signal, power and connection

Requested interface: mV/V / 4-20mA / 0-10V / RS485 Modbus RTU

Supply or bridge excitation, voltage and topology: _____

Bridge sensitivity / impedance / four- or six-wire arrangement: _

Current transmitter: loop-powered or separately powered: _____

Exact connector, contact layout and mating half: _____

Cable length, route, shielding, strain relief and protection: ___

No terminal numbers, colors, A/B polarity or supply connections are assigned by this sheet. Obtain the issued diagram for both ends.

3 - Agree engineering-unit scale and data behavior

Signal zero / full scale and units; tare definition: _____

PLC raw counts or actual register-map revision: _____

Digital address, baud/parity, function, scale, byte/word order: __

Update/filtering, timestamp and stale/lost-signal behavior: _____

Input/loop burden, isolation and electrical limits to review: ___

Signal full scale, sensor measuring range and assembly WLL are separate specification items. Do not treat an input simulation as a structural proof test.

4 - Document the handover

Electrical diagram and receiving-input specification revisions: _

Calibration chain / approved test method and fixture: _____

Open items, responsible reviewer and date: _____

Any machine safety function requires separate architecture and assessment; a measurement or alarm output alone is insufficient.