

Report2: Process Control



Date: 2026-01-29 | Report 2 | Measure the temperature of the PV process for 1 minute

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Table 1. Operational Display Parameters

Register	Value	Description
pv	25.4	Process Variable
sv	28.0	Setpoint
lsp	1	1 to 8 – Local Set Point
pid_group	1	1 to 8 – Operation Process Group

Table 2. Modbus Communication Parameters

Register	Value	Description
comm_type	2	Modbus (RTU format)
station_addr	2	2
tx_speed	1	9600 bps
data_length	1	8 bits
parity	2	No parity
stop_bits	0	1 bit

Table 3. Sensor Parameters

Register	Value	Description
pv_input_type	51	PT100: (-50+200 °C / -50+400 K)

Project: Modbus Temperature Control Project

MTCP
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Plot

