

## 3300/01-01-00

### 3300/01 Basic System Monitor

CONTROLLED ENGINEERING COPY

Match the -VT jumper to the installed 18 V or 24 V transducer supply before engaging 3300/01-01-00 in the rack. After replacement, verify Supplies OK, OK relay, Keyphasor buffering, Reset and Trip Multiply with the machine protection outputs controlled.

| INSTALLATION IDENTITY | REQUIRED VALUE                   |
|-----------------------|----------------------------------|
| Complete model        | 3300/01-01-00                    |
| Manufacturer part     | 3300/01                          |
| Hardware type         | 3300/01-01                       |
| System family         | 3300 Machinery Protection System |



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# 01 PRE-INSTALLATION PLAN

- 1

Verify the complete 3300/01-01-00 marking and original 3300 rack configuration before work.
- 2

Place connected shutdown and alarm circuits in the approved maintenance state.
- 3

Isolate rack power before disengaging the System Monitor from the backplane.
- 4

Record the -VT selection and match it to the installed rack power-supply execution.
- 5

Use ESD controls and protect the backplane, front-panel and Keyphasor connectors.

## MATCHED HARDWARE

- original 3300 rack backplane
- 3300/10, 3300/11 or compatible power supply
- standard Power Input Module
- installed 3300 monitor modules

## INSTALLATION CONTROL RECORD

| CONTROL ITEM       | REQUIRED RECORD                                                         |
|--------------------|-------------------------------------------------------------------------|
| Identity           | 3300/01-01-00 / 3300/01 recorded                                        |
| Physical interface | original 3300 rack backplane                                            |
| Companion check    | 3300/10, 3300/11 or compatible power supply                             |
| Functional proof   | Supervises power and common status functions for the original 3300 rack |
| Application test   | Original 3300 rack supervision                                          |

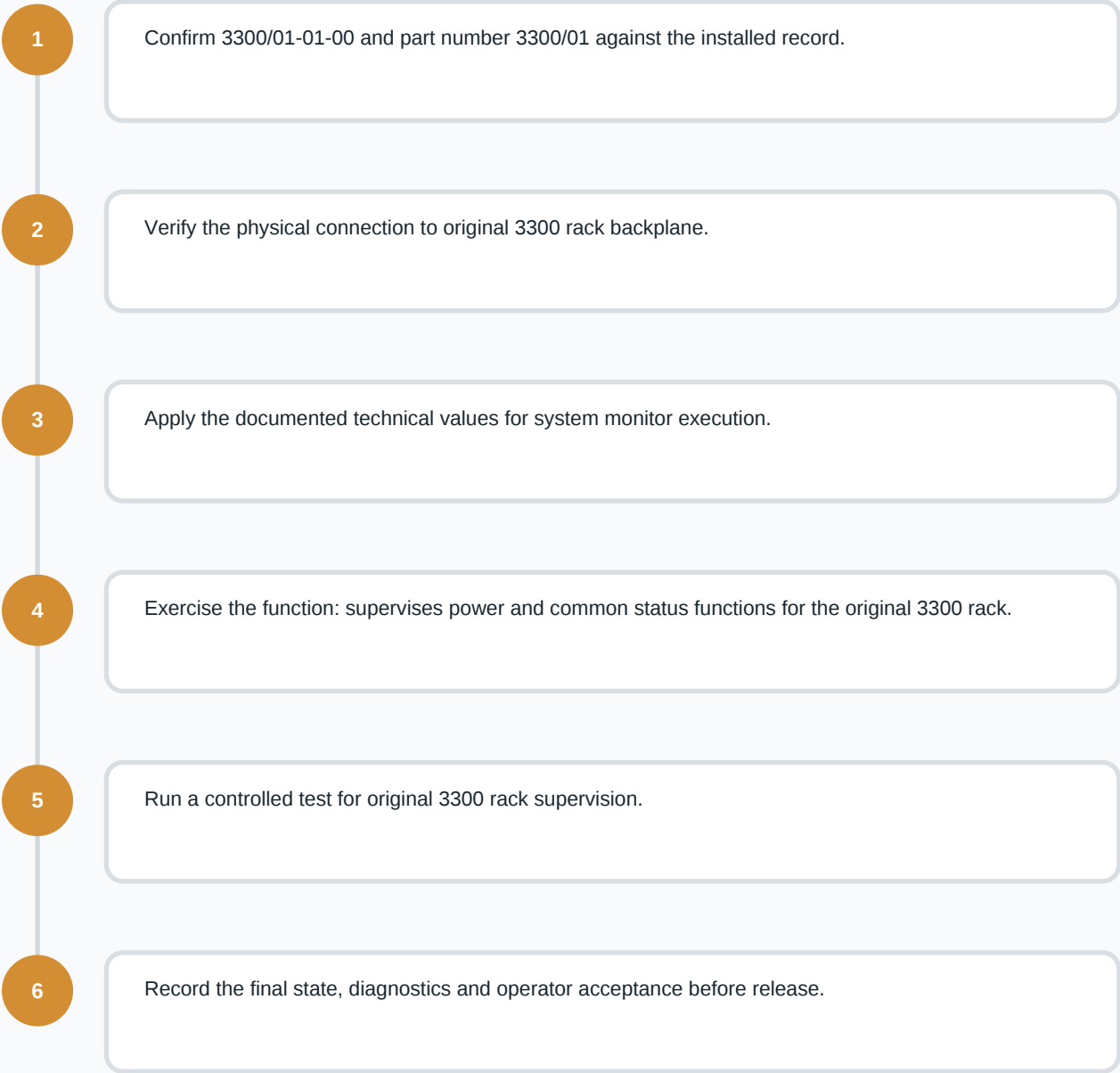
## 02 WIRING & INTERFACE CHECKS

| CHECK ITEM                    | REQUIRED VALUE       |
|-------------------------------|----------------------|
| System monitor execution      | 3300/01-01           |
| Serial interface              | Not fitted           |
| Keyphasor inputs              | 2                    |
| Power-up inhibit delay        | 2 +/- 1 s            |
| +VRH rail                     | 22.55 +/- 6.05 V DC  |
| +VRL rail                     | 11.22 +/- 3.09 V DC  |
| +7.5 V rail                   | 7.5 +/- 0.1 V DC     |
| +5 V rail                     | 5.00 +/- 0.05 V DC   |
| +5 V reference                | 5.00 +/- 0.009 V DC  |
| -7.5 V rail                   | -7.5 +/- 0.1 V DC    |
| -VT, 24 V option              | -23.75 +/- 0.45 V DC |
| -VT, 18 V option              | -17.9 +/- 0.4 V DC   |
| Keyphasor output, 24 V option | -23.2 to -24.2 V DC  |
| Keyphasor output, 18 V option | -17.4 to -18.3 V DC  |

### FIELD NOTE

Match the -VT jumper to the installed 18 V or 24 V transducer supply before engaging 3300/01-01-00 in the rack. After replacement, verify Supplies OK, OK relay, Keyphasor buffering, Reset and Trip Multiply with the machine protection outputs controlled.

### 03 COMMISSIONING WORKFLOW



#### COMMISSIONING ACCEPTANCE EVIDENCE

| EVIDENCE ITEM      | ACCEPTANCE CONDITION                                                    |
|--------------------|-------------------------------------------------------------------------|
| Identity           | 3300/01-01-00 / 3300/01 recorded                                        |
| Physical interface | original 3300 rack backplane                                            |
| Companion check    | 3300/10, 3300/11 or compatible power supply                             |
| Functional proof   | Supervises power and common status functions for the original 3300 rack |
| Application test   | Original 3300 rack supervision                                          |

## 04 RETURN-TO-SERVICE RECORD

- ☐
- Do not substitute the serial-interface 3300/01-02 execution without a compatibility review.
- ☐
- Verify the two Keyphasor paths and combined Supplies OK indication after installation.
- ☐
- Prove Reset, Trip Multiply, alarm-setpoint adjustment and OK relay action before release.
- ☐
- Confirm the intended process response before normal operation.

### VERIFICATION RECORD

TECHNICIAN

DATE

CABINET / POSITION

FINAL DIAGNOSTIC STATE

### RELATED PRODUCTS ON APTER POWER

| MODEL              | SYSTEM ROLE                      | APTER POWER PAGE                  |
|--------------------|----------------------------------|-----------------------------------|
| 3500/40M 176449-01 | Four-channel Proximitior monitor | <a href="#">Open product page</a> |
| 3500/20 125744-02  | Rack interface module            | <a href="#">Open product page</a> |
| 3500/45 176449-04  | Four-channel position monitor    | <a href="#">Open product page</a> |
| 330130-045-00-00   | 3300 XL extension cable          | <a href="#">Open product page</a> |

### SOURCE IDENTIFIERS

3300/01 System Monitor Operation Manual  
80175-01

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