

REFERENCE GUIDE

Use the table as a quick reference for measuring supply and signal voltages for the sensor channels that are specific to the error code listed.

| Signal Voltage | | | | | |
|----------------|---------|----------------------|-------------------------------|--------------|--------------------------|
| Error Code | Channel | | Terminal Board Terminal X1 | | Nominal Voltage (VDC) |
| | | | Pin 'ground' | Pin 'supply' | |
| E11/21 | 1 | Length | 8 | 11 | -5 |
| E12/22 | 2 | Pressure Piston side | 19 | 20 | -5 |
| | | | 19 | 18 | +5 |
| E13/23 | 3 | Pressure Rod side | 14 | 15 | -5 |
| | | | 14 | 13 | +5 |
| E14/24 | 4 | Force | 27 | 26 | +18 |
| E15/25 | 5 | Angle Main boom | 8 | 11 | -5 |
| E16/26 | 6 | Angle Jib | 23 | 25 | -5 |
| E17/27 | 7 | | | | |

| Signal Voltage | | | | | | |
|----------------|---------|----------------------|-------------------------------|-----------------|-----------------|--|
| Error Code | Channel | | Terminal Board Terminal X1 | | | Amplified Signal on main board use MP15 - GND and MP supply voltage 0.5...4.5V |
| | | | Pin 'ground' | Pin 'supply' | Voltage (VDC) | |
| E11/21 | 1 | Length | 8 | 10 | -0.5...-4.5 | MP6 |
| E12/22 | 2 | Pressure Piston side | 8 | 21 | 0...-1 | MP4 |
| E13/23 | 3 | Pressure Rod side | 8 | 16 | 0...-1 | MP5 |
| E14/24 | 4 | Force | 29 | 28 | 0...-1 | MP3 |
| E15/25 | 5 | Angle Main boom | 8 | 9 | -1.875...-3.125 | MP8 |
| E16/26 | 6 | Angle Jib | 8 | 24 | -1.875...-3.125 | MP9 |
| E17/27 | 7 | | 8 | 7 | -0.5...-4.5 | MP7 |