

Interpolator

MJ620

Compact one-axis module with analog input port

- Divides analog input signal into 32 to 800 divisions.
- Produces A/ B quadrature signal output from the differential line driver when combined with SL700 series scale and PL101 series head cable (both sold separately).

Specifications

| Model | MJ620 |
|-------------------------|--|
| Power supply voltage | 5 V ± 5% |
| Power consumption | 2.2 W (with PL101) |
| Output interface | Line driver (EIA-422 compliance) |
| Output | A/B phase, Z Alarm |
| Number of division | 800,400,160,80,40,32 (Correspond to resolution 1,2,5,10,20,25 μm) And 1/2 of this (But concurrent reference point not satisfied) |
| Max. response speed | 6.4 m/s (with phase difference of 100 ns and resolution of 1 μm) |
| | 16 m/s (with phase difference of 100 ns and resolution of 2 μm) |
| | 36.8 m/s (with phase difference of 100 ns and resolution of 5 μm) |
| | 56 m/s (with phase difference of 100 ns and resolution of 10 μm) |
| Min. phase difference | 100 ns |
| Input level | SIN. COS signal 0.6 Vp-p to 1.2 Vp-p at 120 Ω load Reference signal 0.2 V to 1.5 V at 120 Ω load |
| Alarm | Speed alarm (min. phase difference time or max. response frequency), Level alarm (0.6 Vp-p or less), Min. alarm time about 400 ms NOTE: Alarm may not work due to abnormal offset occurred by breakage etc. |
| System starting up time | 0.5s or less after powering up |
| Operating temperature | 0 °C to 45 °C / 32 °F to 114 °F |
| Storage temperature | -20 °C to 60 °C / -4 °F to 140 °F |
| Mass | 60 g / 0.132 lbs |

Options

MZ2: Output connector

MZ5: Metal case for MJ620

*The MJ620 Interpolator meets the "applied standards" stated in the specifications table when fitted with the optional MZ5 metal case (see below). Make sure that the MJ620 is used with the MZ5 or like case with the same specifications as MZ5.

Dimensions

