

LY

LY71

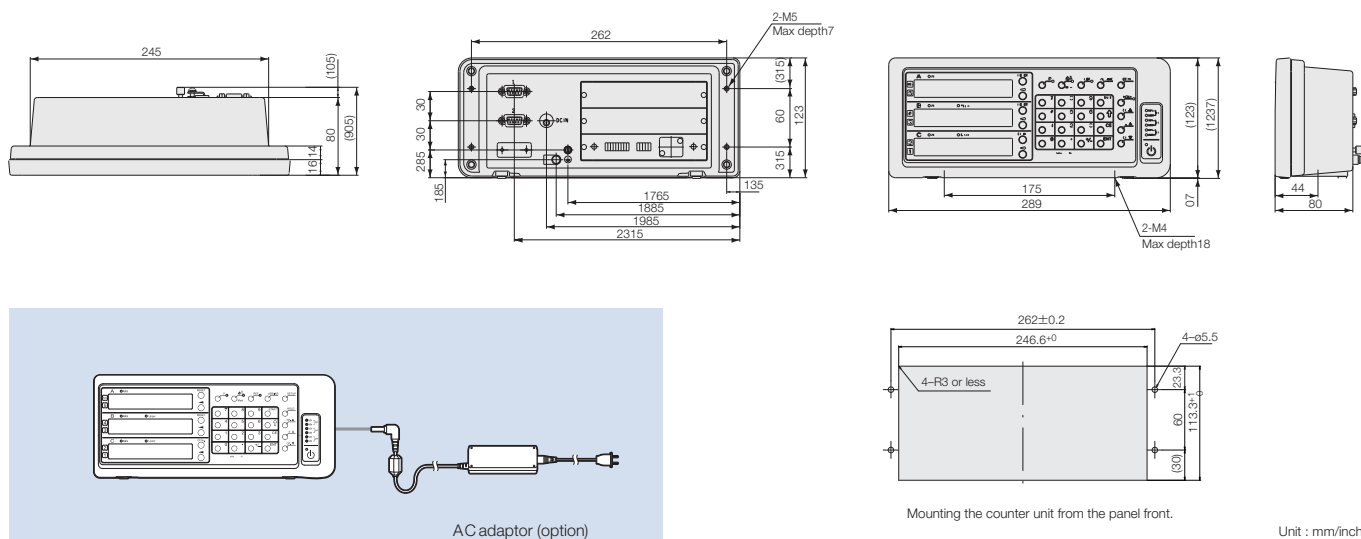
For measurements and control in diverse field uses.  
The required output board can be extended.

- Various outputs are enabled by mounting extension boards
  - BCD Output (Option)
  - Comparator Function: Relay / Open-collector (Option)
- Peak Hold Function Convenient for Statistical Measurement
- Convenient External Input Functions for Automatic Measurement
- Display Resolution Switching ● Data Storage.
- Reset/Preset/Restart ● Detecting Reference Point of Measurement Unit
- Scaling ● Flicker Control



Counter unit

## Dimensions



\*Please refer to p54 for the details of the screw.

## Specifications

Model	LY71
Display	7 digits and minus display, Color amber
Number of input shafts	1 or 2 axes (2-axis add function available; addition only is displayed when adding)
Display data	Current (1st axis, 2nd axis, addition axis), maximum, minimum and peak-to-peak values
Measuring unit input resolution	Standard : 0.1 $\mu$ m, 0.5 $\mu$ m, 1 $\mu$ m, 5 $\mu$ m, 10 $\mu$ m, 1 s, 10 s, 1 min, 10 min Expanded : 100 $\mu$ m, 50 $\mu$ m, 25 $\mu$ m, 20 $\mu$ m, 2 $\mu$ m, 0.05 $\mu$ m, and 1 degree can be added.
Input signal	A/B quadrature signal, Z signal (Conforms to EIA-422)
Display resolution	Measuring unit input resolution or higher and supported inch units Inch: Basic : 0.000005", 0.00001", 0.00005", 0.0002", 0.0005" Inch: Expanded: 0.000002", 0.00001", 0.0001", 0.001", 0.002", 0.005"
Minimum input phase difference	100 ns
Alarm display	Measuring unit disconnected, Excess speed, Maximum display amount exceeded, Power failure, Error in stored data
Reset	Current value reset, Alarm cancel
Restart	Restart of peak value calculation for each axis/all axes
Preset	It is possible to store/edit up to three values for each axis.
Master calibration function	The master calibration value is relocated when going past the reference point after the power is turned on.
Datum point operations	It is possible to store/edit one value for each axis (when not using the master calibration function).
Reference point operations	It is possible to store/edit one value for each axis (when not using the master calibration function).
Hold function	Selectable from latch and pause Latch : Display held while latched (Display hold) Pause : Peak calculation stopped while paused (Peak calculation hold)
Linear compensation	A fixed compensation amount is applied to the measuring unit's count value. Compensation amount Standard: $\pm 600$ $\mu$ m/m (Expanded: $\pm 1000$ $\mu$ m/m)
Scaling	Scaling factor: 0.100000 to 9.999999
Power supply	DC 12 V Rating 0.75 A Max. 1 A AC 100 V to 240 V $\pm 10$ % When using the AC adaptor PSC-22 (For U.S. only) or PSC-23 (For Europe and other countries) *Option
Power consumption	MAX. 32 VA connected at the AC adaptor.
Operating temperature	0 to 40 °C (no condensation)
Storage temperature	-20 to 60 °C (no condensation)
Mass	Approx. 1.5 kg