

# LG

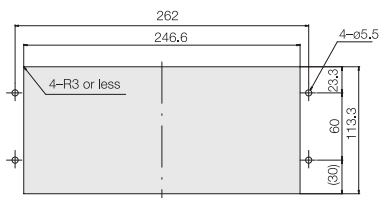
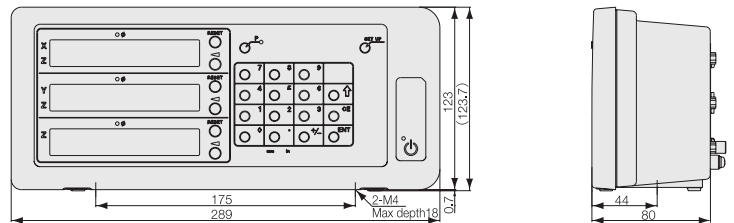
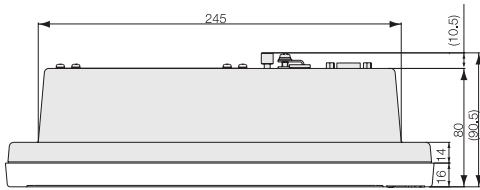
## LG20 SERIES

General USE Display.

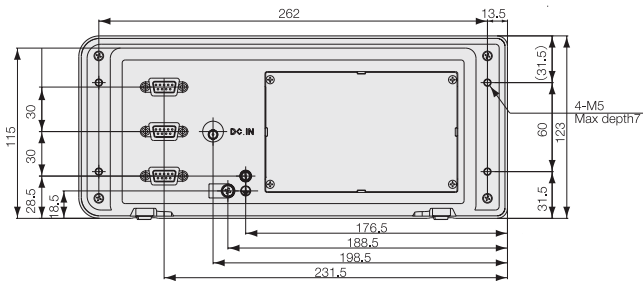
- Selectable display resolution
- Scale input signal : A/B quadrature signal
- Machine Error Compensation
- Data Storage
- Preset / Recall
- Flicker Control



### Dimensions



(Panel cut-out diagram)



Unit : mm

### Specifications

Model	LG20-1	LG20-2	LG20-3
Display axes	1-axis	2-axis	3-axis
Display	7 digits and minus display, Color amber		
Connectable measuring unit	GB-ER, SJ300, SJ700A, PL20C Series (Direct), unit DG-B (Requires a conversion adaptor which is sold separately.)		
Measuring unit input resolution	0.1 $\mu\text{m}$ , 0.5 $\mu\text{m}$ , 1 $\mu\text{m}$ , 2 $\mu\text{m}$ , 5 $\mu\text{m}$ , 10 $\mu\text{m}$ , 20 $\mu\text{m}$ , 25 $\mu\text{m}$ , 50 $\mu\text{m}$ , 100 $\mu\text{m}$		
Display resolution	Measuring unit input resolution or higher and diameter display		
Input signal	A/B quadrature signal (Conforms to EIA-422.)		
Minimum input phase difference	100 ns		
Quantization error	$\pm 1$ count		
Alarm display	Measuring unit disconnected, Excess speed, Maximum display amount exceeded, Power failure, Error in stored data		
Preset	It is possible to store/recall 3 kinds of numbers.		
Data storage	The value displayed before the power was turned off and setting values are stored		
Linear error compensation	A fixed compensation is applied to the measuring unit's count value. Compensation amount: $\pm 600 \mu\text{m/m}$		
Sleep	The display is turned off when no operations are made for a preset time. (The time can be set.)		
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 range	0 to 40°C (no condensation)		
Storage temperature range	-20 to 60°C (no condensation)		
Mass	Approx. 1.5 kg		