

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit our website - *Click HERE*



LK-2101

Controller

*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

This model has been discontinued. Contact Us: 1-888-539-3623
Compliance with the certification standard is ensured as of the time of shipment from our company.

Recommended Replaceable Products: Confocal Displacement Sensor - CL-3000 series

Specifications

Model			LK-2101
Type			Amplifier unit, Standard Controller
Measurement mode			—
Reference distance			80 mm 3.15"
Measuring range			±15 mm ±0.59"
Light source	Type		Visible red semiconductor laser
	Wavelength		670 nm
	Output		0.95 mW
	Laser Class	FDA (CDRH) 21CFR Part 1040.10	Class 2 Laser Product
		IEC 60825-1	
Spot diameter (at standard distance)			Approx. 70 µm 0.02756" Approx. 70 × 1,100 µm
Linearity			±0.1% of F.S. *1
Repeatability			3 µm *2 0.000119"
Analog output	Voltage output		±5 V (3 µm 0.000119"/mV) *3
	Impedance		100 Ω
	Current output		4 to 20 mA (Applicable load: 350 Ωmax.)
Alarm output			NPN: 100 mA max. (40 V max.) (N.C.), Residual voltage: 1 V max.
Sampling cycle			1,024 µs
Other functions			Auto-zero, analog output holding when an alarm occurs, gain switching, response switching, span and shift adjustment of mirror surface measurement mode, changing the sampling cycle
Temperature characteristics			0.01% of F.S./°C
Rating	Power voltage		24 VDC ±10 %, Ripple (P-P) 10 % or less
	Maximum current consumption		400 mA max.
Environmental resistance	Enclosure rating		IP67
	Ambient light		Incandescent or fluorescent lamp: 10,000 lux max.
	Ambient temperature		0 to +50 °C 32 to 122 °F (No condensation)
	Relative humidity		35 to 85 % RH (No condensation)

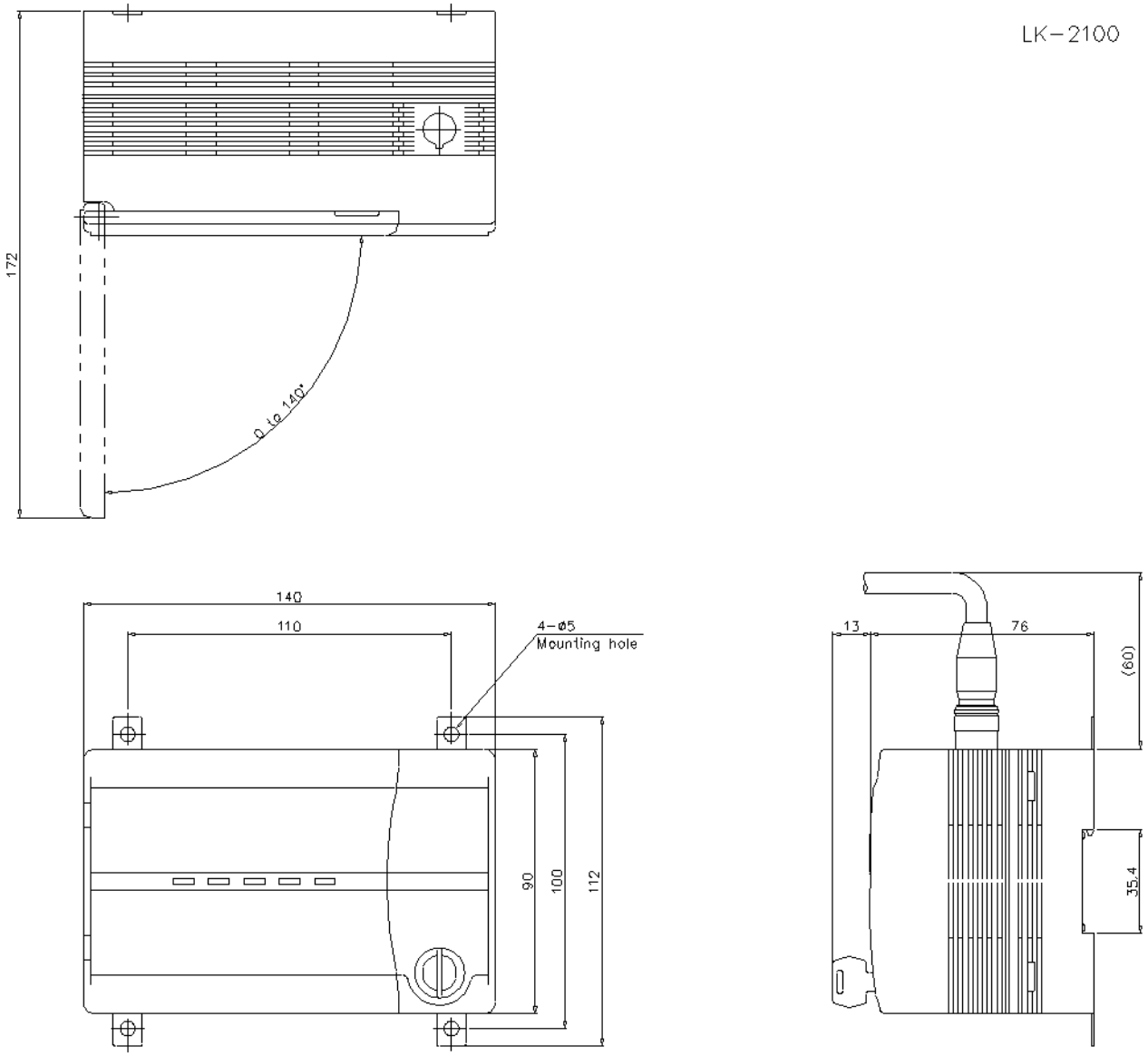
	Vibration resistance	10 to 55 Hz, Double amplitude 1.5 mm 0.06", 2 hours in each of the X, Y, and Z directions
Material		Polycarbonate
Weight		Approx. 515 g (including cable)

*1 Linearity was obtained using KEYENCE's standard target (Zirconia block gauge: LK-031/036, LK-081/086, LK-011, White ceramic block gauge: LK-503).
*2 Repeatability was obtained using KEYENCE's analog sensor controller (RD-50) with the number of averaging measurements set to 64.
Note: The ripple of the analog output may be 1 mV or more due to common mode noise when observed with an oscilloscope or a high-speed A/D conversion board.
*3 When measurement is impossible, 12 V (31.2 mA) is output.

Dimensions

* Download CAD file or product manual for larger image/text and more detail.

LK-2100



Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP