Nidec

Measuring Quality

Series ST-328 Xenon Stroboscope Array

The ST-328 is a permanent mount stroboscope array utilizing bright high powered xenon style lamps. The ST-328's xenon light array provides a bright, stable strobe light over a wide measurement range. The ST-328 arrays are available in several standard sizes from 10" (260 mm) to 71" (1800 mm) in length. Custom sizes are available upon request. The arrays are easily mountable on production equipment. An optional mounting adapter kit is available to aid in array installation. An integral or remote control enclosure is available to program the unit. If selecting the separate, external control enclosure, communication is via a 9.8' (3 m) connecting cable. Operation is simple with the 6 button keypad and large, LED display. Flash rate is quickly adjustable via the control dial. The unit can work off user programmed flash frequency or from a remote sensor's signal which will automatically adjust to corresponding process fluctuations.

The ST-328 is designed for speed and frequency measurements in the printing, packaging, textile, automotive, cable, mining, steel, chemical, optical, medical and shipbuilding industries in various applications.

ST-328 Stroboscope Array

Features

- *Flash Range of 60 – 20,000 Flashes/min. can be finely adjusted to meet almost any application*
- *IP65/NEMA 4X Control*
- *Input sensor trigger function allows process machinery to control flash rate*
- *Nine standard size lengths from 10" (260 mm) to 71" (1800 mm). Custom options available.*
- *x2 and 1/2 keys for large adjustment rate change or +/- for fine tuning*
- *Selectable FPM or Hz operation*
- *Independent Removable bulbs aids in maintenance*
- *Integral or remote control operations*
- *Bright red LED aids viewing from a distance or in dimly lit areas*

CALRIGHT INSTRUMENTS
The Right Source For Your Test & Measurement Needs

8715 Mesa Point Terrace San Diego, CA 92154
Toll Free: 1.866.363.6634 Tel: 1.619.429.4545 Fax: 1.619.374.7012
Email: sales@calright.com http://www.calright.com

ST-328 Specifications

Flash Rate Range	60 to 20,000 FPM
Accuracy	0.01%±1 digit of F.S. @ 77° F (25°C)
Lamp Lifetime	Approximately 1 x 10^7 cycles depending on usage.
Display	LED
Resolution	60 ~12,000 FPM = 0.1 FPM; 12,001~20,000 FPM = 1 FPM
Power Requirement	100-120 VAC; Optional 220-260 VAC Max. Power: 100 W.
Input Signal	5V - 12V Pulse Input; high level trigger M-12, 3 pin
Input Signal Range	60-20,000 FPM
Input Pulse Width	Over 50 μs
Temperature Limits	32-95°F (0-35°C)
Humidity Limits	35 to 85% RH
Enclosure	Control-Aluminum; Array - ABS window & aluminum frame
Mounting	Control: Mounting Flange; Array: Flanges for use with 6 mm bolts. Mounting bracket kit available separately.
Enclosure Rating	NEMA 4X (IP65) - Control Enclosure Only
Dimensions	Length (See model chart) x 6" (152 mm) x 5.75" (146 mm)
Approvals	CE
Warranty	1 year
Included Accessories	6.5' (2 m) AC power cord, 9.8' (3 m) control/array connection cable (Remote control models only)

Ordering Details

Model*	Length	# Lamps
ST-328-XC-1	10" (260 mm)	1
ST-328-XC-2	20" (500 mm)	2
ST-328-XC-3	31" (800 mm)	3
ST-328-XC-4	39" (1000 mm)	4
ST-328-XC-5	51" (1300 mm)	5
ST-328-XC-6	51" (1300 mm)	6
ST-328-XC-7	59" (1500 mm)	7
ST-328-XC-8	71" (1800 mm)	8

***Note: For Integral Controller change"X" to an "I". For Remote Control Enclosure change "X" to an "R". For 230 Volt Models add: -230V to end of model code.**

Accessories

Model	Description
MK-320	Mounting Kit for ST-328 Strobe Arrays
E2E-X5ME1-Z	Proximity Sensor with M-12 3 pin Connection

Remote Control Enclosure

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