

烧蚀厚度变换器 ablation sensor

BZ-025系列

本变换器是与烧蚀传感器配套的产品，将烧蚀传感器感受的烧蚀后缩量变换器成电信号（炭化导电）使变换器的分压电阻短路，输出与烧蚀厚度相对的等幅阶跃信号。

性能指标

供电电压：5V（DC）

输出电压：0~4.9±0.1V

YA14-9A输出8个阶跃信号

YA14-15输出12个阶跃信号

YA14-16输出6个阶跃信号

输出阻抗：≤3kΩ

环境温度：-40~+60℃

其他

经受环境条件

加速度：39g

低气压：2x10⁻⁵Pa

湿热：40℃ 相对湿度（95±3）%

运输：2~40Hz，0.015g²/Hz；40~200Hz，-11dB/out

接插件：

(1) YA14-9A

J14A-9ZJ插座：1—公共点，2-8—信号点

Y8C-4ZJ插座：1—+5V，2—输出，3—信号地，4—机械地

(2) YA14-15

J14A-15ZJ插座：1—公共点，2-3—信号点，

Y8C-4ZJ插座：1—信号地，2—+5V，3—输出，4—机械地

(3) YA14-16

J14A-9ZJ插座：1—公共地，2-7—信号点，8—输出，9—+5V

This converter is matching with the ablation sensor, after ablation back converter of sensors convert into electrical signal (carbonized conductive), which leads divider resistance of converter short circuit, output continuous step signal corresponding the thickness of the ablation.

Performance Index

power supply: 5V (DC)

Voltage output: 0~4.9±0.1V

YA14-9A output 8 step signal

YA14-15 output 12 step signal

YA14-16 output 6 step signal

output impedance: ≤3kΩ

environmental temperature: -40~+60℃

other

weather condition

Accelerated speed: 39g

low air pressure: 2x10⁻⁵Pa

humidity: 40℃ relative humidity (95±3) %

Transportation: 2~40Hz, 0.015g²/Hz; 40~200Hz, -11dB/out

connector assembly:

(1) YA14-9A

J14A-9ZJ socket: 1—common point, 2-8—signal location
Y8C-4ZJ socket: 1—+5V, 2—output, 3— signal earthing, 4— machinery earthing

(2) YA14-15

J14A-15ZJ socket: 1—common point, 2-3—signal location,
Y8C-4ZJ socket: 1— signal earthing, 2—+5V, 3—output, 4— machinery earthing

(3) YA14-16

J14A-9ZJ socket: 1—common earthing, 2-7—signal location, 8—output, 9—+5V

