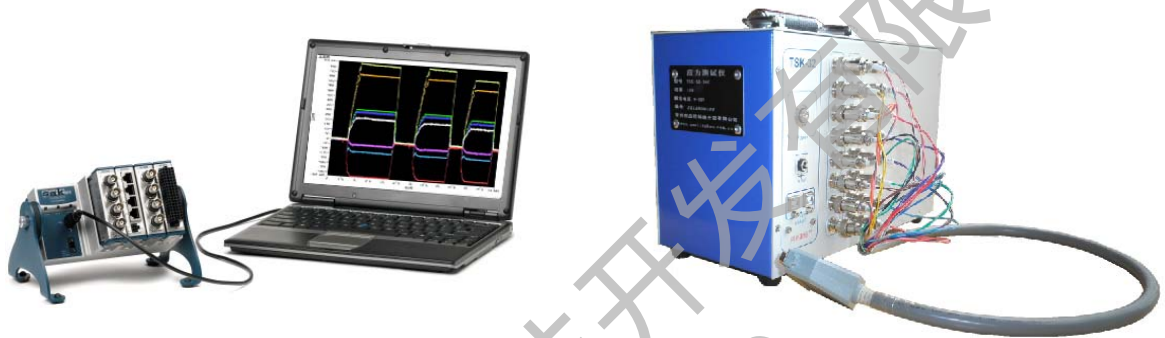
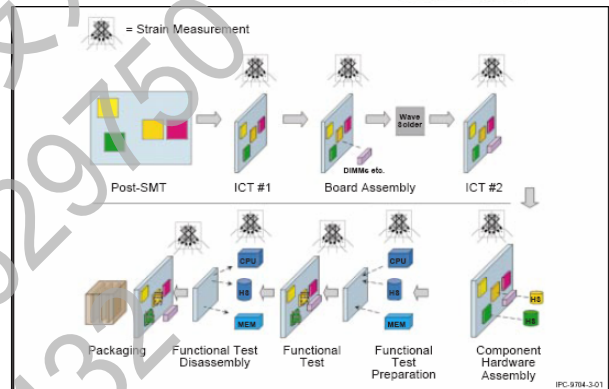


# TSK-32-16C-E

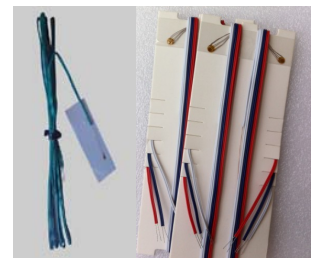
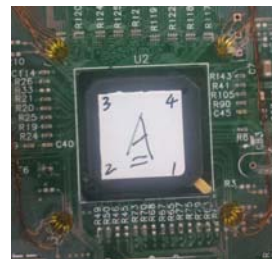
Strain measurement system



- ◆ Special for PCB strain measure
- ◆ High rate
- ◆ Multichannel
- ◆ Portable type
- ◆ Powerful report generation function
- ◆ Supports IPC-9704 PCB measurement and analysis.
- ◆ Supports Intel PCB measurement and analysis.



Tsk-strian is a high performance system for strain measurement that can be applied in many industries such as PCB motherboard, cellphone, vehicle and mechanical components. Cooperating with accurate and stable hardware and user-friendly software, system provides an easy way to complete complicated strain measuring tasks.



## 特 点 :

- 1、采用模块化方式,每个应变模块有8个采集通道,最大可以扩展到 32/64 通道 TSK-32-16C--E12/35 含2个8通道应变采集卡,为 16 通道,可以进行后续扩展。
- 2、通过 USB 接口连接,能够在主机硬盘上存储长时间的数据。
- 3、采集信号为120/350欧姆应变片(采用不同模块)。
- 4、最高采样率为10KHz (32通道同时采样)。
- 5、操作菜单以对话框形式,中文界面,简单快速。
- 6、结合国际上应变片测试标准 Intel 标准和 IPC-9704标准,一键全自动生成报告,并判断“Pass” or “Failed”

## 参 数 :

- 单模块通道数: 8 个模拟输入通道  
最大采样率: 640KS/s/ 机箱  
采样模式: 多通道同步采样  
ADC 分辨率: 24 位  
支持应变式传感器电阻值: TSK-32-16C-12E 系列支持 120Ω, TSK-32-16C-E35 系列支持 350Ω  
支持惠斯通电桥类型: 1/4 桥  
转换精度: 3.5062nV/V/LSB  
精度增益误差: 0.02% (已校准,常规测量条件 25°C,±5°C)
- 全量程范围: ±29.4mV/V (+62500uE/-55500uE)  
端子间过压保护: ±30V  
稳定性: 增益漂移 6ppm/°C  
机箱接口类型: USB2.0 高速输入  
供电电源: 11 到 30VDC, 220VAC  
工作温度: -40°C~70°C, 工作湿度: 10%~90% RH, 无凝结  
存储温度: -40°C~85°C, 存储湿度: 5%~90% RH, 无凝结  
防护等级: IP 40

## Features:

1. Modular approach, each strain module has eight acquisition channels can be expanded to 32 /64channels  
The TSK-32-16C-E12/35 strain containing Two 8-channel capture cards, which can be subsequently extended.
2. Connected through the USB interface, long-term data are stored on the host hard.
3. The acquisition of signal 120 /350ohm strain gages.
4. The maximum sampling rate of 10KHz (32-channel simultaneous sampling).
5. Action menu in the dialog box form of the Chinese language interface is simple and fast.
6. Combined with strain gauges in the international test standard Intel standards and IPC-9704 standard, a key fully automatic generate reports and judgments "Pass" Or "Failed"

## Parameters:

- Single module Number of channels: 8 analog input channels  
Maximum sampling rate: 640KS / s / chassis  
Sampling modes: multi-channel simultaneous sampling  
ADC resolution: 24  
The support strain sensor resistance value: TSK-32-16C-12E series supports 120Ω, TSK-32-16C-E35 series support 350Ω  
Wheatstone bridge type: 1/4 bridge  
Conversion accuracy: 3.5062nV/V/LSB  
Accuracy gain error: 0.02% (calibrated conventional measurement conditions 25° C ± 5° C)  
Full-scale range: ±29.4mV / V (+62500 uE/-55500uE)  
Between terminals Overvoltage protection: ± 30V  
Stability: Gain drift 6ppm / °C  
The Chassis Interface Type: USB2.0 high speed input  
Power supply: 11 to 30VDC, 220VAC  
Operating Temperature: -40 °C ~ 70 °C, Operating Humidity: 10% ~ 90% RH, non-condensing  
Storage Temperature: -40 °C to 85 °C, storage humidity: 5% to 90% of RH, non-condensing  
Protection class: IP 40