



# Fine Tooling

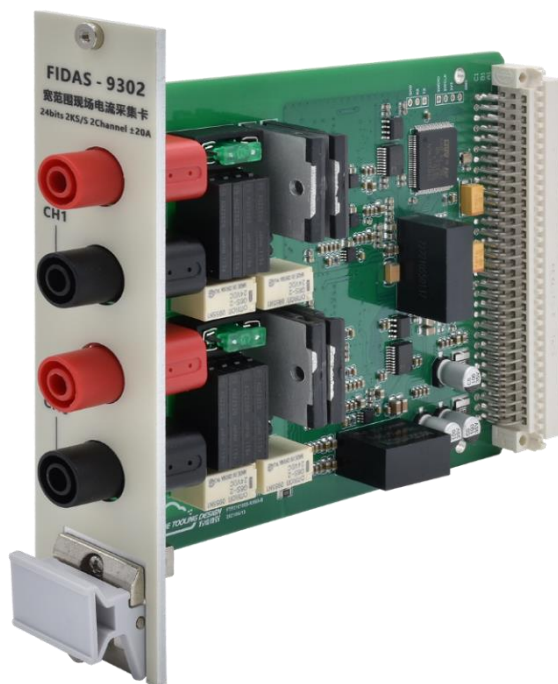
广州市方瞳科技有限责任公司

## FIDAS FT9302

Current Acquisition Cards

Based On FIDAS Family

- **CONVENIENT**
- **HIGH PRECISION**
- **FLEXIBLE**



VERSION: ML210813A      RELEASED DATE: 2021-08-13

Finetooling Technology (Guangzhou) Co.,Ltd.

Nanxiang Branch No.1, Huangpu District, Guangzhou

### Product features:

- 24bit resolution analog acquisition, 2KSP/S sampling rate
- Rang: 1mA,10mA,1A,20A
- Two channels sampling
- Electrical isolation between channels
- FTStudio, LabVIEW and Visual Studio software interface to software development support
- Free testing software (HWSUIT For FIDAS)

### Overview:

FT9302 use a high-precision 24bit ADC, test precision 0.01% Fs。 It can meet the requirements of higher industrial measurement. laboratory applications on sampling and recording data, etc.

**System support:** windows XP/10    Linux

**Soft compatibility:** LabVIEW    Visual Studio    FT Studio

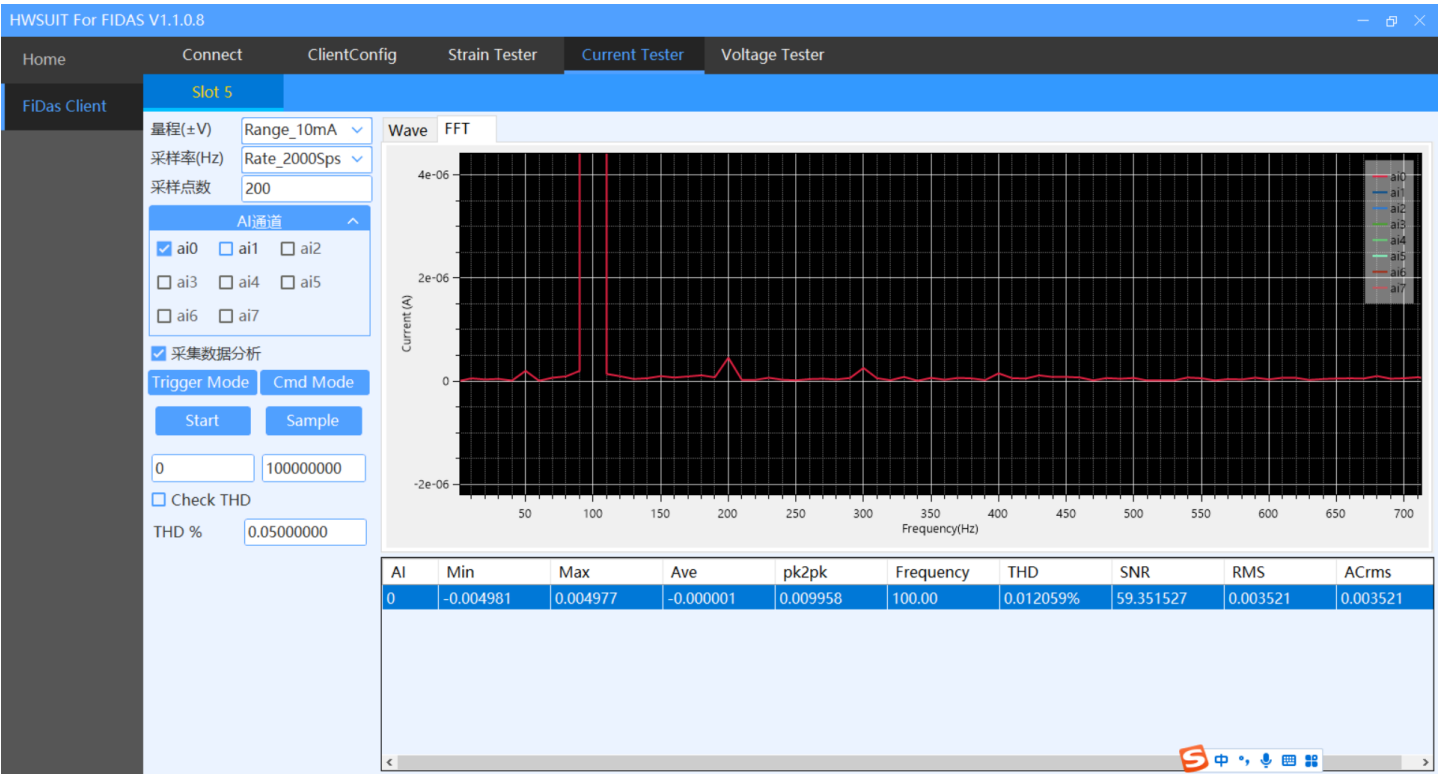
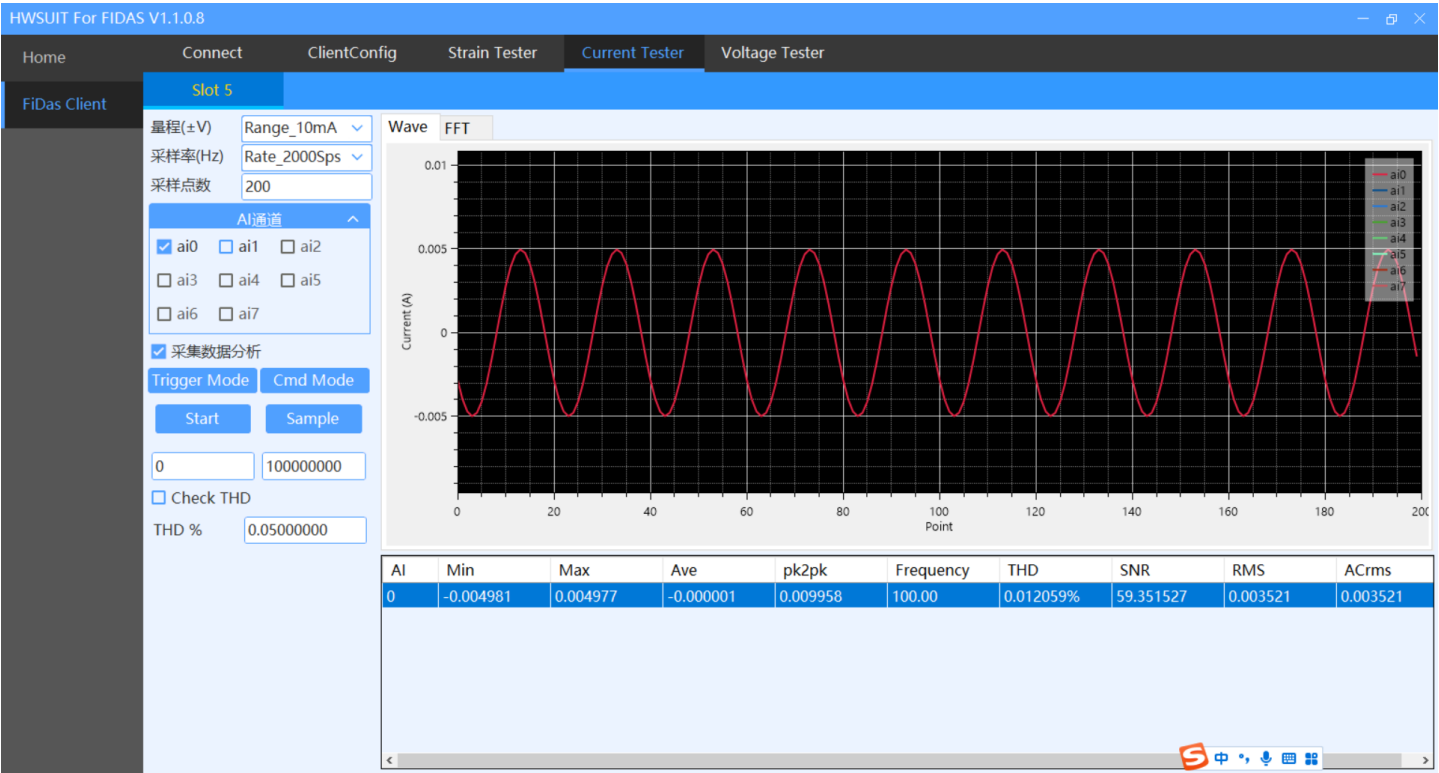
### Specification

Items	Description
Channel	2
Sampling rate	2KSP/s
ADC Resolution	24BITs
Rang	10mA,1A,10A,20A
Connector Interface	Banana Plug
Trigger mode	Software trigger
Work Environment	temperature: -40℃~85℃, relative humidity: 10%~90%RH
Storage Environment	temperature: -40℃~85℃, relative humidity: 5%~95%RH
Size	W*D*H ≈ 24mm*155mm*130mm
Weight	90g

### Range And Accuracy Specifications:

Target	Range	Maximal Input Range	Resolution	The sampling resistor( $\Omega$ )	Accuracy
Electric current	20A	-22A ~ +22A	200 $\mu$ A	0.001	0.01%Fs
	1A	-2.5A ~ +2.5A	10 $\mu$ A	0.1	0.01%Fs
	10mA	-30mA ~ +30mA	1 $\mu$ A	2	0.01%Fs
	1mAV	-2.5mA ~ +2.5mA	0.01 $\mu$ A	100	0.01%Fs

A demo project of using HWSuit software to recording 10mA 100Hz electric current signal:



Contacts:

Tel: 0086-20-82108945-2003  
E-mail: Marketing@finetooling.com  
Web: www.finetooling.com  
Finetooling Technology (Guangzhou) Co.,Ltd.  
Floor 3, Building D, Nanxiang Branch No.1, Huangpu District, Guangzhou City, Guang - dong Province.