



Fine Tooling

广州市方瞳科技有限责任公司

Web: www.finetooling.com

Tel: 0086-20-82108945



FT5408 Product Manual

8 channels of synchronous voltage acquisition

The sampling rate is 2KS/s, 24bit



History list

Version	Date	Content
1.0	2023/3/30	First release

Catalogue

Products Feature	1
Overview.....	1
Range and accuracy	1
Technical Specifications.....	1
Use of the free debugging tool HWSuit	2

Products Feature

- 24bit resolution analog acquisition, up to 2KS/s analog input sampling rate
- Range: 10mV, 5V, 30V, 60V
- Synchronous measurement of 8 channels
- Electrical isolation between groups
- Support FTStudio, LabVIEW, Visual Studio and other languages for secondary development

Overview

The resolution of the FT5408 multi-channel synchronous voltage acquisition card is up to 24 bits, and the measurement accuracy is better than 0.01%. It can meet the high measurement requirements of the industrial field, experimental data recording, power monitoring and process control signal acquisition.

System Support: Windows XP/Win7/10 Linux

Software compatible: LabVIEW Visual Studio FT Studio

Range and accuracy

All the following measurements were taken at room temperature 25 ° C, unless otherwise noted.

Object of measurement	Range of measuring	Test possible range	Highest resolution	Accuracy of measurement
voltage	10mV	-11mV ~ +11mv	1μV	0.01% FS
	5V	-5.5V ~ +5.5V	10μV	0.01%FS
	30V	-33V ~ +33V	50μV	0.01%FS
	60V	-66V ~ +66V	100μV	0.01%FS

Technical Specifications

Items	Description
Number of board channels	8
Sampling rate	2KB/s
ADC resolution	24BIT
Range of measuring	10mV,5V,30V,60V
Connector	3.81*16PIN Connector input

specification	
Trigger mode	The software triggers 8-channel synchronous acquisition
Work environment	temperature: -40°C~85°C, Relative humidity: 10%~90%RH
Storage environment	temperature: -40°C~85°C, Relative humidity: 5%~95%RH No condensation
Dimensions	W*D*H ≈ 30mm*155mm*130mm
weight	80g

Use of the free debugging tool HWSuit

The HWSuit tool can be downloaded from the official website of www.finetooling.com

HWSuit version: Please download HWSuit V3.5.8.0 or later.

Purchase Contacts:

Tel: 0086-20-82108945-8015

E-mail: Marketing@finetooling.com

Web: www.finetooling.com

广州市方瞳科技有限责任公司 | Finetooling Technology (Guangzhou) Co.,Ltd.

广东省广州市黄埔区春分路 88 号 3 栋 Building 3, No. 88, Chunfen Road, Huangpu District, Guangzhou City, Guangdong Province