VTK 1050 - Analog Data Acquisition Card (USB Data Acquisition)
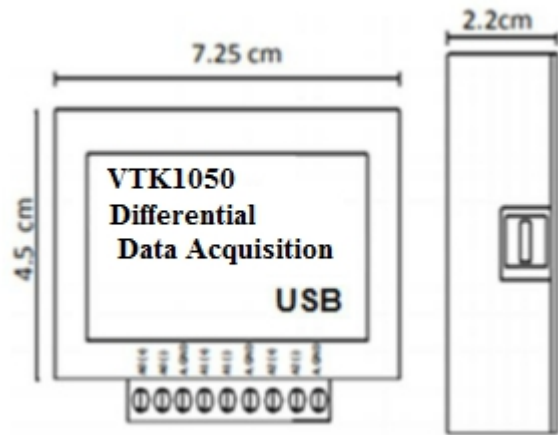
1.FEATURES

- 3 Channel Analog Input
- Differential Measurement
- 16 Bit Resolution
- 1050 Sample / Seconds
- USB 2.0 Communication
- Concurrent Sampling
- Compatible with Windows Operating Systems
- USB Plug Run Feature
- Sample LabVIEW Library

2.DESCRIPTIONS

The VTK 1050 analogue input card, which is available as a 3-channel measurement, can collect data at 1050 samples per second. The VTK 1050 is compatible with the Windows operating system and is compatible with the LabVIEW software language. VTK 1050 is connected to the computer via USB. LabVIEW is a family of VTK products that display the data instantly and, if desired, register with Microsoft Office Windows Operating Systems, thanks to the existing interface in the library. The VTK 1050 product analyzes and reports data based on the number of samples selected besides visualizing the data it collects.

3. VTK 1050 Applications

- Voltage measurement
- Pressure Measurement
- Temperature Measurement
- Light Intensity Measurement
- Sound Intensity Measurement
- Fluid Pressure Measurement
- Liquid Level Measurement
- Magnetic Field Measurement
- Datalogger
  suitable for all areas where static sensor measurements are to be made.

DEVICE NAME	MEASUREMNET
VTK1050	7,25 cm Lenght
	4,5 cm Width
	2,2 cm Height

CONTENTS

4. Terminal Input and Functions

Pin	Signal	Channel
1	A0 (+)	Channel 1
2	A0 (-)	Channel 1
3	A.GND	Channel 1
4	A1 (+)	Channel 2
5	A1 (-)	Channel 2
6	A.GND	Channel 2
7	A2 (+)	Channel 3
8	A2 (-)	Channel 3
9	A.GND	Channel 3
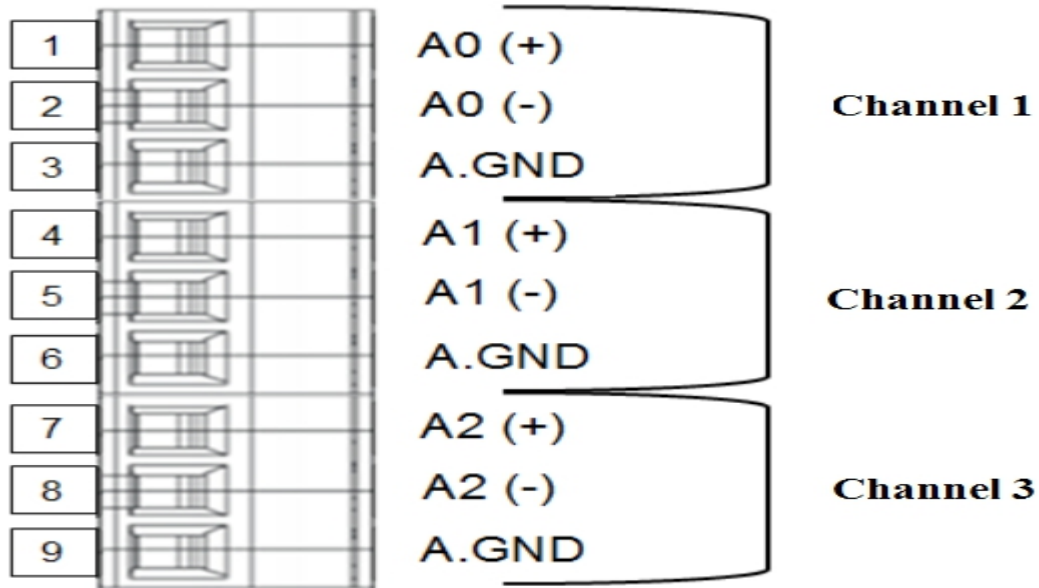
5.VTK 1050 FEATURES

TECHNICIAL SPECIFICATIONS

OS	Windows
Software Compatibility	LabVIEW
Supply	USB

ANALOG INTRODUCTION

Differential Channel	3
Resolution	16 Bit
Sampling Rate	1050 Sample/Second
Maximum Voltage	12V
Maximum Operating Range	-10V, +10 V
Error Rate of Maximum Operating Voltage	%0.15
Minimum Operating Range	-1.25V, +1.25 V
Error Rate of Minimum Operating Voltage	%0.34
Measuring Ranges	1.25/2.5/ 5/10 V
Simultaneous Sampling	Var
Timing	Donanımsal

PHYSICAL PROPERTIES

Length	7.25 cm
Width	4.5 cm
Height	2.2 cm
I / O Connector	Screw Termina