

## SURFACE DATA ACQUISITION CARDS



**SKU:** AN009-000-010

**Categories:** [Advanced Monitoring](#), [Downhole Instrumentation](#), [KPerm™](#), [Kuster®](#), [Surface Acquisition](#), [Well Monitoring](#)

## PRODUCT DESCRIPTION

Surface Data Acquisition Cards are designed to supply power to and communicate with the downhole gauge; a single card can interface with up to 4 permanent downhole gauges. The card converts received raw data signals from the gauge into pressure and temperature values; the data is transmitted via a RS485/232 Modbus RTU protocol to a local data gathering system. The cards are supplied in a single channel or multi-channel (up to 4) configuration.

### Ratings & Dimensions

#### Single Channel Unit

**Max Temperature**

-4F(-20C) to 149°F(65°C)

**Size**

4.125" x 3.75" x 2.125"

**Materials**

Aluminum - DIN rail mount

**Primary Input**

Downhole permanent gauge raw data

**Primary Output**

485 or 232 Modbus RTU

**Gauge Types**

All Probe permanent gauges

#### Multi-Channel Unit

**Connected Gauges**

4

**Max Temperature**

149°F (65°C)

**Size**

6.75" x 4.5" x 1.45"

**Materials**

HDPE - DIN rail mount

**Primary Input**

Downhole permanent gauge raw data

**Primary Output**

485 or 232 Modbus RTU

**Gauge types**

All Probe permanent gauges

### Data Measurements

**Sampling Rate**

1 sample/sec

**Slave Address**

1 (can be set up to 251)

<b>Output</b>	Modbus RTU 485 or 232
<b>Baud Rate</b>	9600 -19200
<b>Data Bits</b>	8
<b>Stop Bits</b>	1
<b>Parity</b>	None

## Electrical Specification

<b>Single Channel</b>	<b>Current</b>	24vDC, 200 mA max
	<b>Voltage</b>	120vAC or 22 - 32vDC
	<b>Power</b>	4.8W
<b>Four Channel</b>	<b>Current</b>	24vDC, 450 mA max
	<b>Voltage</b>	120vAC or 22 - 32vDC
	<b>Power</b>	6.8W

Version Control: 2021.12.14

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***On-line specifications are for REFERENCE ONLY and subject to change without notice. DO NOT USE FOR FIELD OPERATIONS.***