

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)

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

Electrical Specification

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

Version Control: 2021.12.14

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