



**PRESSURE TRANSDUCER
CALIBRATION DATA**

| | |
|--------------------------------------|----------------------------------|
| <i>Customer</i> Sidus Space, Inc. | <i>Date</i> 12 NOV 21 |
| <i>Model Number</i> 141698-2000A | <i>Serial Number</i> 129978 ✓ |

| | | | |
|----------------------------------------|----------------------------|------------------------------------|--------------------------------------------|
| <i>Diaphragm Materials</i> TITANIUM | <i>Excitation</i> 5 VDC | <i>Pressure Range</i> 2000 PSIA | <i>Excitation Type</i> Constant Voltage |
|----------------------------------------|----------------------------|------------------------------------|--------------------------------------------|

| Pressure Calibration Data all readings are in mV DC | | | | | | <i>Date of Pressure Calibration</i> 14 AUG 21 |
|------------------------------------------------------------|----------|----------|--------|-----------------|------------------|--------------------------------------------------|
| Pressure | Increase | Decrease | Ideal | Linearity (%FS) | Hysteresis (%FS) | <i>STATIC ERROR BAND</i> ± .23% FS BFL |
| 0 PSIA | -.09 | -.11 | -.09 | | .02% | |
| 1000 PSIA | 52.70 | 52.62 | 52.22 | .46% | .08% | |
| 2000 PSIA | 104.53 | | 104.53 | | | |
| SENSITIVITY | 104.62 | | | | | |

| Thermal Calibration Data all readings are in mV DC | | | | | | <i>Date of Thermal Calibration</i> 14 AUG 21 |
|-----------------------------------------------------------|-----------|---------|-----------|-------------------|-----------------------|-------------------------------------------------|
| | Low Temp. | Ambient | High Temp | Temperature Range | Thermal Balance Shift | Thermal Sensitivity Shift |
| Temperature | 35°F | 75°F | 75°F | | | |
| 0 PSIA | -.40 | -.11 | -.12 | 35°F to 75°F | .28%FS | .06%FS |
| 2000 PSIA | 104.16 | 104.51 | 104.51 | 75°F to 75°F | -.01%FS | .01%FS |
| Sensitivity | 104.56 | 104.62 | 104.63 | AVERAGE | ± .003% FS/°F | ± .001% FS/°F |

| | |
|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Notes P.O. No. 2021276 Micron S.O. 21-423</p> <p align="center"><i>ERR#2021276-1 11/18/21 IPM</i></p> | <p>DATE OF LAST MEASUREMENT: 17 AUG 21</p> <p>BALANCE OUTPUT: .02 mV DC</p> <div style="text-align: center;"> </div> <p>INPUT RESISTANCE 1721 Ohms OUTPUT RESISTANCE 788 Ohms</p> |
|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| | |
|-----------------------------------------------------|--------------------------------------------|
| <i>Data Entered and Reviewed By</i> Bryan Pierce | <i>Date Data Entered</i> 17 August 2021 |
|-----------------------------------------------------|--------------------------------------------|