

Dytran 7523 Capacitive Accelerometer

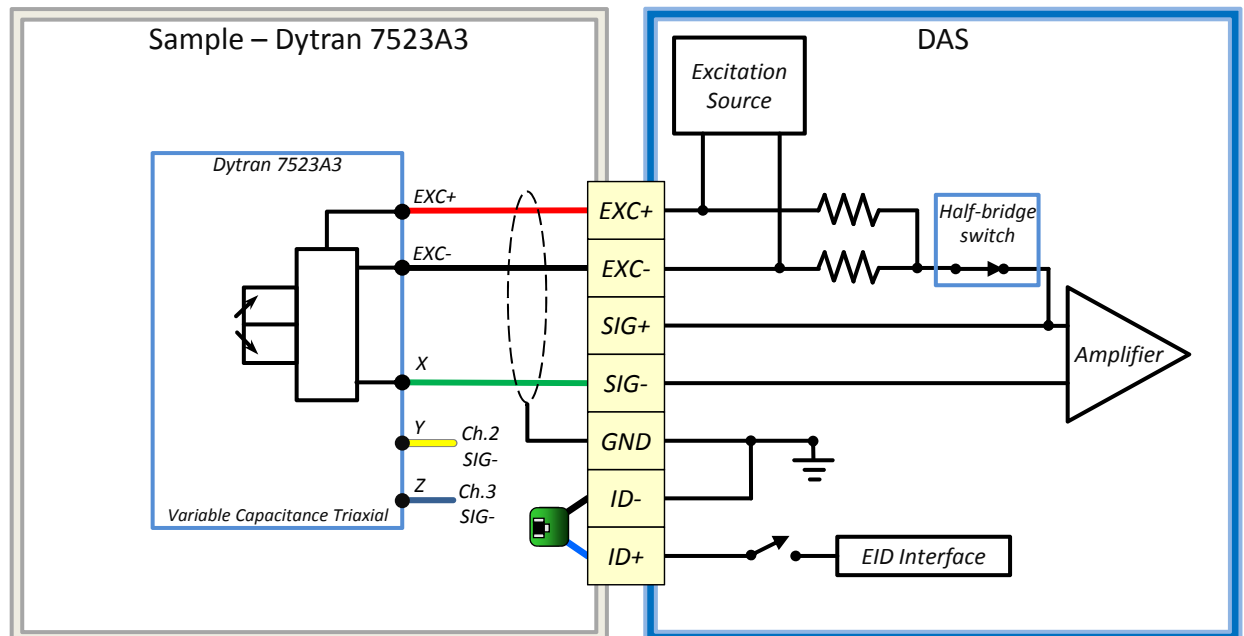


Application Notes

- This connection is applicable for DTS data acquisition systems. 5Vdc excitation must be used. The sensor does not have an internal regulator and is dependent on accurate excitation.
- The Dytran output is biased to 2.5Vdc. Using the half-bridge mode at 5Vdc excitation will provide the reference for the differential input of the DAS

Wiring and sensor setup

- Consult your documentation for the corresponding pin numbers of the sensor input connectors
- The Dytran does not have a signal reference, use half-bridge configuration
- Connect the sensors shield to the appropriate ground connection. Any ground (case when available) is required for low level (mV output) transducers
- The sensors excitation for all three axes is one pair. Typical excitation source is the X-axis connection to the DAS. Y and Z axes only require the sensors signal connection
- The Dytran cannot be shunt checked.
- 'Proportional to Excitation' must be set to 'No'.



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DTS Specific Data Acquisition System Notes

- Please note the specific requirements of your system
- If you need specific connector information, please refer to your owners manual. If additional information is needed, provide a DTS hardware serial number when contacting support
- When requesting assistance, always provide the make and model of your sensor and include the datasheet when available



Product Family	Input Range Limitations	Excitation	Software Notes
SLICE Nano/Micro	None	Select 5Vdc excitation	Proportional to Excitation=No Bridge mode=Half
SLICE Pro	None	Select 5Vdc excitation	Proportional to Excitation=No Bridge mode=Half
TDAS Pro SIM	None	Select 5Vdc excitation	Proportional to Excitation=No Bridge mode=Half
TDAS G5	None	Select 5Vdc excitation	Proportional to Excitation=No Bridge mode=Half