ACU-VIB Electronics Accelerometer Calibrations Price List Options. Version 4.7 Issued May 2026

Options	Description	Nominal Testing Frequencies	Level (For consideration) It may change depending on the transducer	Total Measured Points each Axis	Quote/Ordering Code	
					Single axis	Tri-axes
General Transducer	General ICP/IEPE transducer	80, 100, 160, 320, 640, 1000, 2000, 4000 Hz	• Fixed, 1ms^{-2} • No linearity	**8F Total**	GA_1	GA_3
Low frequency System	Transducer with low Frequency response or for high Sensitivity transducers	1, 2, 4, 8, 16^, 31.5, 63, 125, 160, 250 Hz	• Fixed level (acceleration or velocity) frequency response • Variable levels for Linearity response	10F + 2L **12 Total**	LF_1	LF_3
Mid-High frequency system	Transducer with higher Applicable force or for lesser sensitive transducers *(Mounting restrictions may apply for up to 10000 Hz)*	8, 16, 20, 40, 80, 160^, 315, 630, 1250, 1600, 2000 Hz		11F + 2L **13 Total**	HF_1	HF_3
Mid-High frequency system - Extended		10 Hz up to 10000 Hz *(Single Axis & Stud-mount only and under 45 grams mass)*		27 F + 4L **31 Total**	HF-E_1	HF-E_3
Recommendation with both system	**Our recommended frequencies and levels based on datasheet. 1, 2, 4, 8, 16^, 20, 40, 80, 160^, 315, 630, 1250, 2000 Hz			13F+2-4L **16 Total**	RC_1	RC_3
Custom on LF System only	Transducer capable of LF Band up to 250Hz	***Your choice of frequencies and levels (from 0.8* Hz up to 10000 Hz)		13F + 2L **15 Total**	CL_1	CL_3
Custom on M-HF system only	Transducer capable High Force up to 100*g*			14F + 2L **16 Total**	CH_1	CH_3
Custom on Both systems	***Custom			17F + 2L **20 Total**	CC_1	CC_3
Frequency Sweep Option	Band Sweep either LF or HF	LF, From 1 Hz to 250 Hz, 0.1oct/Min HF, From 8 Hz to 2000 Hz, 0.5oct/Min			SW_1	SW_3

*Optional

- Frequencies or levels marked optional depending on the transducer performance.

- Low Frequency System
  - Frequencies noted above tested at 1ms^{-2} or 10 mms^{-1} and extra levels at 16Hz for linearity performed on a long stroke air-bearing shaker.
- Mid-High Frequency System
  - Frequencies noted above tested at up to 100 ms^{-2}, and extra levels at 160Hz for linearity, performed on a high force mid-high frequency shaker.
- **Combination of both systems

Acronym Notes example: **9F**= 9 Frequencies, **2L**= 2 Linearity, **LF**= Low frequency, **M-HF**= Mid to high Frequency,

- Our choice of recommended frequencies from 0.8 Hz to 10000 Hz with linearity at 160Hz. Variable levels for frequency response and linearity depending on the transducer's capability.

- ***Custom
  - Customer nominated Frequencies and Levels from 0.8 Hz to 10000Hz and from 1 to 100ms^{-2}.
  - Restrictions may apply for nominated selections. We will try our best to match the nominated frequencies and levels but may adjust accordingly if required due to our system and mechanical limits or transducer performance limits.
  - For our full capabilities, please see https://nata.com.au/accredited-organisation/acu-vib-electronics-9262-9255/ for more details.

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