

Accelerometer pods

Another Endevco® innovation

The 46A general purpose accelerometer stands out from all other accelerometers on the market because of its unique patent pending design that allows easy installation and removal of the accelerometer from its mount.

Available in five sensitivities from 10 to 1,000 mV/g, it is threaded and can be fitted into a variety of different mounting blocks (or “pods”) with a stud or adhesive mount, or directly to the test unit itself.

Pods offer test technicians the greatest possible flexibility. Whilst the hex and cube pods are designed to mount as traditional single axis measurements, the tri-hex pod, with slots for three sensors, allows technicians to test up to three sensitivities at once – ideal if the customer is not sure what g-range is expected. For multi-axis testing, the triaxial pod enables different sensitivities to be tested on different axes. The accelerometers can be removed and replaced, leaving the mount in place on the test object.



46A POD product introduction package

Meggitt Sensing Systems
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www.meggitt.com

Five different pods are available

- Single axis hex stud mount
- Single axis cube stud mount
- Single axis cube adhesive mount
- Triaxial cube stud mount
- Tri-hex stud mount

Key features with added value

- Five sensitivities: 10, 25, 100, 500 and 1,000 mV/g
- 10-32 microdot top connector
- IEEE P1451.4 TEDS capable
- Sensors and mounting bases have lock wire holes

Applications

- Automotive (modal, NVH)
- Research, laboratory and university
- Modal analysis and component reliability

| Product number | Description | -1 anodized aluminum | -2 titanium |
|----------------|---|---|---|
| 43071 | Single axis hex mount |  |  |
| 43072 | Single axis cube mount |  |  |
| 43043 | Single axis cube adhesive mount |  |  |
| 42626 | Triaxial mount |  |  |
| 42627 | Tri-hex mount |  |  |
| 42676-1 | 10-32 mounting stud compatible with 43071-X, 43072-X, 42626-X and 42627-X | | |
| 42676-2 | ¼-28 mounting stud compatible with 43071-X, 43072-X, 42626-X and 42627-X | | |
| 42676-3 | M6 mounting stud compatible with 43071-X, 43072-X, 42626-X and 42627-X | | |
| 42676-4 | M5 mounting stud compatible with 43071-X, 43072-X, 42626-X and 42627-X | | |
| Cables | (PN C-001-AC-002-XXXX or 3061A-XXX) | | |

Cost savings

The system will save money when the accelerometer has to be fixed permanently on to the test object; only the mount itself – costing from just \$38 – has to be affixed, whilst the more expensive accelerometer can be removed at the end of the test or swapped with one of a different sensitivity. The triaxial pod will provide substantial savings when a sensor on one axis breaks during testing – instead of replacing the whole unit only the broken sensor has to be replaced.

Pricing

46A13, 46A14, 46A16: US domestic price \$210

46A18, 46A19: US domestic price \$275

Mounts: US domestic price ranges from \$38 to \$200

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