

## Triaxial piezo-electric accelerometer

## A/30 A/30-1

25pC/g nom./axis •38gm wt. 220°C max. temp.



transducer inserts welded, bonded

into hard anodised al. block

A-30-11537

 $G \ {\rm eneral\ purpose\ triaxial\ vibration\ transducer} \\ G \ {\rm comprising\ three\ KONIC\ all\ welded\ inserts} \\ {\rm bonded\ orthogonally\ into\ a\ hard\ anodised} \\ {\rm aluminium\ housing.} \\$ 

The inserts are electrically insulated, individually and from the housing, thus eliminating ground loop interference.

The additional mechanical isolation implicit in the construction provides also near elimination of strain induced error.

The spatial response of a structure to dynamic forcing, may lead to erroneous single axis vibration or shock measurement, due to the inherent directional property of the transducer.

In cases where this is deemed to be a problem, an orthogonal three axis measurement, allowing computation of absolute value and direction offers a solution.

The d33 component suppression property of the KONIC design, resulting in minimisation of cross axis error, is particularly advantageous for three axis measurement integrity.



Case seal