

Water cooled triaxial piezo-electric accelerometer



7pC/g nom./axis • 38gm wt.
800°C max. surface temp. with water flow

28

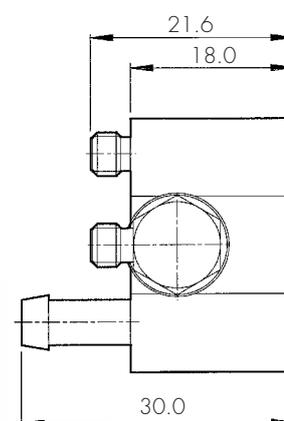
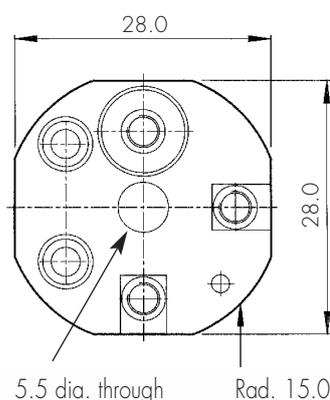
DJB introduces A/33 triaxial water cooled accelerometer which permits usage on surfaces up to 800°C. These are solutions for Vibration Measurements on exhaust pipes or engines turbo collectors. Mono version can be supplied with A/33 block on request.

It is important that the recommended rate of flow of the cooling is maintained permanently when in use at high temperature. Failure to do so, could lead to injury and also damage to the unit.

The 2mm hole between «Y» and «Z» inserts permits the insertion of a thermo-couple to monitor the temperature.

A/33

dims. mm



CONVERSION MODE

KONIC

Charge sensitivity pC/g (X, Y, Z)	5/9
Resonant frequency kHz (X, Y, Z)	15
Cross axis error % max	5
Temperature range °C	
• without water flow	-50 / +220
• with a water flow rate of 0.5 ltr/min	+800°C (surface temp.)
Base strain sensitivity g/μ strain	0.02
Max continuous accn. g sine	500
Materials	s/steel 303 S31 mtg. block al. alloy
Mounting	1x 5.5mm ø through hole
Weight gm	38
Connector	Microdot skt. 10/32 UNF thd.
Case seal	transducer inserts welded, bonded into hard anodised al. block

options

- > wideband temperature calibration
- > voltage output versions available : A/33-10, A/33-3. Details on request