

EC Declaration of Conformity
In accordance with EN ISO 17050-1:2004

We Perpetuum Ltd
Of Epsilon House, Southampton Science Park, SO16 7NS

In accordance with the following directives:

2004/108/EEC The Electromagnetic Compatibility Directive
94/9/EC Equipment Explosive Atmospheres (ATEX)

Hereby declare that:

Equipment Vibration Energy Harvester
Model PMG FSH 50x1
PMG FSH 50x2
PMG FSH 60x1
PMG FSH 60x2

Is in conformity with the applicable requirements of the following documents

BS EN 61000 Electromagnetic Compatibility
BS – EN 61000-6-1:2007 Emission standard for residential, commercial and light industrial environments
BS – EN 61000-6-2:2007 Emission standard for industrial environments
EN 55022 Immunity to conducted Disturbances, induced by radio frequency fields

IEC 60079 Electrical apparatus for explosive gas atmospheres
BS EN 60079-0:2009 General Requirements
BS EN 60079-26:2007 Construction, test and marking of Group II Zone 0 electrical apparatus
IEC 60079-31:2008 Equipment dust ignition protection by enclosure "t".
BS EN 60079-11:2007 Explosive atmospheres. Equipment protection by intrinsic safety 'i'

EC Type Examination Certificate: 10ATEX2024 Iss 1

Notification: SIRA Rake Lane, Eccleston Chester CH4 9JN

Marking

PMG FSH60x1

P/N 54075

S/N 2010-6071

Sira 10ATEX2024
IECEX SIR 10.0020
Ex ia IIC T4 Ga
Ex ta IIIC T114°C Da



PMG perpetuum
Perpetuum Ltd.
Southampton, SO16 7NS, UK.

Uo=9.56V, Io=0.015A
Po=0.041W, Co=2.41uF
Lo=1mH, Ui=10.5V
Ci=0uF, Li=0mH



-40°C to +85°C
IP68



I hereby declare that the equipment named above has been designed to comply with the relevant sections of the above specifications.
The unit complies with all the applicable essential requirements of the directives.

Signed



Dr Stephen Roberts

Engineering Director

21st April 2011

