

## ISOFLUX IFX-M4-01

This heat meter, when used with the sub-assemblies and configured as detailed below, has been independently verified by Kiwa as suitably compliant with the Measuring Instruments Directive for the purposes of claiming the Renewable Heat Incentive.

Manufacturer:

ISOIL INDUSTRIA SPA

MID Class:

Class 2

Location of flow sensor

Flow or Return

Heat conveying liquid

Water

Minimum pipe size

25mm

Maximum pipe size

100mm

**Contact Information** 

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## Meter Subassemblies

| <b>♦</b> Part number | <b>♦</b> Pipe size | Max flow<br>rate <b>♦</b><br>q <sub>s</sub> (m <sup>3</sup> /h) | Nominal<br>flow rate<br>q <sub>p</sub> (m <sup>3</sup> /h) | Min flow<br>rate <b>≑</b><br>q <sub>i</sub> (m <sup>3</sup> /h) | Max<br>temp<br>θ <sub>max</sub> (°C) | Min<br>temp<br>θ <sub>min</sub> (°C) | Min<br>temp diff<br>Δθ <sub>max</sub><br>(°C) |
|----------------------|--------------------|-----------------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------------|--------------------------------------|--------------------------------------|-----------------------------------------------|
| IFX-M4-01-XX-<br>25  | 25mm               | 7                                                               | 3.5                                                        | 0.03                                                            | 130                                  | 0                                    | 2                                             |
| IFX-M4-01-XX-<br>32  | 32mm               | 12                                                              | 6                                                          | 0.06                                                            | 130                                  | 0                                    | 2                                             |
| IFX-M4-01-XX-<br>40  | 40mm               | 20                                                              | 10                                                         | 0.1                                                             | 130                                  | 0                                    | 2                                             |
| IFX-M4-01-XX-<br>50  | 50mm               | 30                                                              | 15                                                         | 0.15                                                            | 130                                  | 0                                    | 2                                             |
| IFX-M4-01-XX-<br>65  | 65mm               | 50                                                              | 25                                                         | 0.25                                                            | 130                                  | 0                                    | 2                                             |
| IFX-M4-01-XX-<br>80  | 80mm               | 80                                                              | 40                                                         | 0.4                                                             | 130                                  | 0                                    | 2                                             |
| IFX-M4-01-XX-<br>100 | 100mm              | 120                                                             | 60                                                         | 0.6                                                             | 130                                  | 0                                    | 2                                             |

## **Additional Notes**

Used in conjunction with ISOIL ISONRG ML311 and ISOIL PLT this can form an RHI compliant heat meter.

When combined with ML311 and PLT it can be used for heat, cold or both types. It can be used to measure the thermal energy for water or glycol (polypropylene or ethylene).