PRODUCT CONFORMITY CERTIFICATE

This is to certify that the

MJK MagFlux 7200

Manufactured by:

MJK Automation ApS

Byageren 7
2850 NÆRUM
DENMARK

has been assessed by Sira Certification Service
and for the conditions stated on this certificate complies with:

MCERTS Performance Standards for Water Monitoring Equipment Part 3, Version 2.4 dated February 2013

Certification Ranges :

Velocity	0.1m/s to 10 m/s
Pipe size	25mm to 400mm

Project No.:	70095871
Certificate No:	Sira MC160314/00
Initial Certification:	31 October 2016
This Certificate issued:	31 October 2016
Renewal Date:	30 October 2021

Emily Alexander
Deputy Certification Manager

MCERTS is operated on behalf of the Environment Agency by

Sira Certification Service
Unit 6, Hawarden Industrial Park
Hawarden, Deeside, CH5 3US
Tel: +44 (0)1244 670 900

Form 1335
Issue 2

Certificate Contents

Approved Site Application

Any potential user should ensure, in consultation with the manufacturer, that the monitoring system is suitable for the intended application. For general guidance on monitoring techniques refer to the Environment Agency Monitoring Technical Guidance Notes available at www.mcerts.net

The product is suitable for use, where it is appropriate, for regulated applications such as abstraction, effluent discharge, ultraviolet disinfection and industrial processing.

Basis of Certification

This certification is based on the following Test Report(s) and on Sira's assessment and ongoing surveillance of the product and the manufacturing process:

WRc Report UC12078.01 dated October 2016

Product Certified

The measuring system consists of the following parts:

1. Flow sensor.
2. Converter, with or without display.

MagFlux® Flow Meters can be installed either with the converter mounted on the flow sensor, on a wall or mounted in a panel.

This certificate applies to all instruments fitted with software version 842012 and onwards.

Certified Performance

The instrument was evaluated for use under the following conditions:

Ambient Temperature Range: -10°C to +55°C
Instrument IP Rating: IP67

The instrument meets MCERTS Class 1 requirements for the combined performance characteristic as specified in Table 6 of the MCERTS performance standard. Details of individual performance characteristics are summarised below:

Results are expressed as error % of certification range, unless otherwise stated.

Test	Results expressed as % of the certification range				Other results	MCERTS specification
	<0.5	<1	<2	<8		
Protection against unauthorised access					Passcode required	Clause 3.1.2
Indicating Device					The flowmeter incorporates two digital outputs and one digital input	Clause 3.1.3
Units of measurement					The flowmeter records in metric units	Clause 3.1.6
Combined performance characteristic					2.05%	Clause 4.2.1 ±5% Class 2
Mean Error			-1.45			Clause 6.3.2 ±4% Class 2
Repeatability	0.17					Clause 6.3.2 ±1% Class 1
Supply Voltage	0.05					Clause 6.3.3 0.5% Class 1
Output impedance	0.13					Clause 6.3.4 0.5% Class 1
Fluid Temperature		0.95				Clause 6.3.5 1% Class 2
Ambient temperature	0.21					Clause 6.3.6 0.5% Class 1
Relative humidity	0.13					Clause 6.3.6 0.5% Class 1
Presence of stray currents	0.38					Clause 6.3.9 0.5% Class 1
Bi-directional flow			1.49			Clause 6.3.13 4% Class 2

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Test	Results expressed as % of the certification range				Other results	MCERTS specification
	<0.5	<1	<2	<8		
Conduit Size				4.35		Clause 6.3.16 6.5% Class 3
Response time					30 seconds	Clause 6.3.19 <30 seconds
Error under field test conditions	Max error 0.47% Min error -1.45% Mean error 0.29% Proportion of errors ≤2% = 100%					Clause 7.3 2% Class 1
Up time					100%	Clause 7.4 >95%
Maintenance					None	Clause 7.5 to be reported

Description

MagFlux® Flow Sensors are available in sizes ranging from DN 15 to DN 2000, with standard construction lengths and connections.

MagFlux® Flow Meters can be installed either with the converter mounted on the flow sensor, on a wall or mounted in a panel.

General Notes

1. This certificate is based upon the equipment tested. The Manufacturer is responsible for ensuring that on-going production complies with the standard(s) and performance criteria defined in this Certificate. The Manufacturer is required to maintain an approved quality management system controlling the manufacture of the certified product. Both the product and the quality management system shall be subject to regular surveillance according to 'Regulations Applicable to the Holders of Sira Certificates'. The design of the product certified is defined in the Sira Design Schedule V00 for certificate No. Sira MC160314/00

2. If certified product is found not to comply, Sira Certification Service should be notified immediately at the address shown on this certificate.

3. The Certification Marks that can be applied to the product or used in publicity material are defined in 'Regulations Applicable to the Holders of Sira Certificates'.

4. This document remains the property of Sira and shall be returned when requested by the company.