



FIELDCOMM GROUP™

*Connecting the World of
Process Automation*

October 28, 2019

General Monitors by MSA
Attn: Haipeng Zhang
26776 Simpatica Circle
Lake Forest, California 92630
USA

Dear Mr. Zhang,

FieldComm Group is pleased to inform you that MSA Worldwide, LLC has successfully registered the IR5500 / ULTIMA OPIR-5. The IR5500 / ULTIMA OPIR-5 has successfully met all requirements for registration based on the FieldComm Group Quality Assurance and Device Registration Procedure.

Included with this letter is the HART Certificate of Registration that you may use to authenticate your device's registration. MSA Worldwide, LLC is now authorized to use the "HART Registered" mark and terminology in literature, documentation, marketing materials, and markings of the device described on the HART Certificate of Registration. If you have any questions regarding this usage or would like to receive camera ready artwork, please contact us.

In addition to authorizing your use of the "HART Registered" mark, FieldComm Group has identified your device as registered in the HART Product Catalog. Please view the catalog at www.fieldcommgroup.org, under "Technologies".

We would like to remind you that device modifications or revisions may require the resubmission of the device. Please do not hesitate to contact FieldComm Group if you need any clarification of this requirement.

Congratulations and Best Regards,

T. Masters

Ted Masters
President and CEO
FieldComm Group





Certificate of Registration FieldComm Group Verified

General Monitors by MSA	IR5500 / ULTIMA OPIR-5
Manufacturer	Product Name
00DF	DF87
Manufacturer ID (Hex)	Expanded Device Type (Hex)
7	02
HART Protocol Revision	Device Revision (Hex)
01	02
Hardware Revision (Hex)	Software Revision (Hex)
9/11/2019	FieldComm Group
Test Date	Verification Method

The above product has successfully completed the validation process and meets the requirements to be "HART REGISTERED".

"HART REGISTERED" products conform to GB/T 29910.1-6-2013 and IEC 61158 standards.

Registration Number: L2-06-1000-844 Registration Issue Date: October 28, 2019 Approval: A handwritten signature in black ink, appearing to read "T. J. Masters".



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HART® is a registered trademark of FieldComm Group