

FUNCTIONAL SAFETY CERTIFICATE

CERTIFICATO – ZERTIFIKAT – CERTIFICADO – CERTIFICAT

The product:

**Digital Proximity System MX2033 and MX2034
(all configurations)**

Manufactured by:

**Metrix Instruments Co.
8824 Fallbrook Dr. Houston, TX 77064
United States of America**

suitable for the following safety function(s):

Programmable multiple measurement of safety parameters to rotating machinery.

has been assessed per the relevant requirements of

IEC 61508:2010 Parts 1 to 7

and meets the requirements providing the following:

Systematic Capability:

The compliance with the requirements for the avoidance of systematic faults and the requirements for the control of systematic faults have been achieved following the compliance route 1_s.

SC 2

Hardware Safety Integrity:

The constraints on hardware safety integrity have been verified in order to achieve a sufficiently robust architecture taking into account the level of element and subsystem complexity following the compliance route 1_H.

Type
B

Random Safety Integrity:

The estimated safety integrity, for each safety function, due to random hardware safe and dangerous failures rates (excluding "no part" and "no effect" contribution).

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The architectural constraints and the effects of random failures (PFH/PFD_{AVG}) must be verified for each specific application and safety function implemented by the E/E/PE safety-related system.

Certified by:

BYHON

BYHON Certification Director:


Rosati Francesco

CERTIFICATE No:

MTXI-20334-ENS-E02

Revision: B

Issued:

March 16th, 2022

Valid until:

December 22nd, 2022

The owner of a valid certificate for an assessed product is authorized to affix the following mark and relative ID number, to all recognized devices which are identical to the product assessed.

MX2033

BYHON
SIL ✓

ID.N° 500719E05S

MX2034

BYHON
SIL ✓

ID.N° 010519ES05B



#8914
ISO/IEC 17065
Product Certification Body