

FUNCTIONAL SAFETY CERTIFICATE

CERTIFICATO – ZERTIFIKAT – CERTIFICADO – CERTIFICAT

The product:

***Proximity Probes MX8030 – MX2030 – 10000*(7200)**
and its relative Extension Cables MX8031 - MX2031 – 7200**
(all configurations)***

Manufactured by:

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

suitable for the following safety function(s):

Inductive proximity sensor for no-contact motion measures of metallic objects

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 1s.

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
A

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).

See
page
2

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-10000-ENS-E01

Revision: A

Issued:

February 16th, 2022

Valid until:

February 15th, 2025

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.

BYHON
SIL ✓

ID.N° 010522E02N



#8914
ISO/IEC 17065
Product Certification Body