

DECLARATION OF CONFORMITY

According to the Electromagnetic Compatibility Regulations 2016.

Manufacturer	SEIKO EPSON CORPORATION	www.epson.com	
Address	3-5, Owa 3-chome, Suwa-shi	Telephone	+81-266-52-3131
	Nagano-ken 392-8502 Japan	Fax	+81-266-52-8409

Representative	Epson (U.K.) Limited	www.epson.co.uk	
Address	Westside, London Road, Hemel	Telephone	+44-1442-261144
	Hempstead, Hertfordshire, HP3 9TD, United Kingdom		

Declares under our sole responsibility that the product:

Brand Name	EPSON
Product Name	Robot Controller
Model	R114x(x=A or B)(RC700-E) (Serial number R7E***0001 - R7E***9999) <Note> * : 0 - 9, A - Z

For more details, please refer to the product description

Options

See Technical Data File

Conforms to the following Directive(s) and harmonized Norm(s) are applied:

Electromagnetic Compatibility (EMC) 2014/30/EU

EN 55011 2016/A1:2017/A11:2020 Group1 Class A

EN 61000-6-2 2005

EN 61000-6-4 2007/A1:2011

EN 61000-6-7 2015

Restriction of the use of certain hazardous substances (RoHS)2011/65/EU (except options)

EN IEC 63000

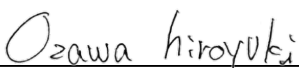
Supplementary Information

The year in which the UKCA marking was affixed, is

2023

1st Nov. 2023

Nagano-ken, Japan



Hiroyuki Ozawa

MS CS Quality Assurance Department

General Manager

SEIKO EPSON CORPORATION

Declared based on "Technical Data File,

1st Nov. 2023 "

DECLARATION OF INCORPORATION OF PARTLY COMPLETED MACHINERY

According to Supply of Machinery (Safety) Regulations 2008, SCHEDULE2, PART2, sector 1.B. for a partly completed machinery.

Manufacturer	SEIKO EPSON CORPORATION	www.epson.com	
Address	3-5, Owa 3-chome, Suwa-shi	Telephone	+81-266-52-3131
	Nagano-ken 392-8502 Japan	Fax	+81-266-52-8409

Representative	Epson (U.K.) Limited	www.epson.co.uk	
Address	Westside, London Road, Hemel	Telephone	+44-1442-261144
	Hempstead, Hertfordshire, HP3 9TD, United Kingdom		

Declares under our sole responsibility that the product:

Brand Name	EPSON		
Product Name	Industrial Robot/ Robot Controller		
Model	GX4-B,GX8-B,GX10-B,GX20-B	(Serial number G*****0001 - G*****9999)	
	R114x(x=A or B)(RC700-E)	(Serial number R7E***0001 - R7E***9999)	
		<Note> * : 0 - 9, A - Z	
	For more details, please refer to the product description		

Options

See Technical Data File

,fulfil(s) the basic requirements of the Supply of Machinery (Safety) Regulations 2008 as listed in the attachment to this declaration of incorporation.

The manufacturer undertakes to electronically supply the relevant technical documentation, referred to in Part7 sector B for the partly completed machinery, to national authorities upon reasoned request.

This partly completed machine must not be put into service until the machinery into which it is to be incorporated, has been declared in conformity with the provisions of the Machinery (Safety) Regulations.

Furthermore this partly completed machinery fulfils all relevant provisions of the directive:

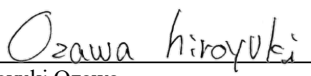
- Electromagnetic Compatibility Regulations 2016
- The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (except options)

Following harmonized norms and specifications are applied:

Safety:		EMC:
EN ISO 10218-1 2011	IEC 61508-1 2010	EN 55011 2016/A1:2017/A11:2020 Group1 Class A
EN ISO 12100 2010	IEC 61508-2 2010	EN 61000-6-2 2005
EN 60204-1 2018	IEC 61508-3 2010	EN 61000-6-4 2007/A1:2011
EN ISO 13850 2015		EN 61000-6-7 2015
EN 61800-5-1 2007/A1:2017		
EN 61800-5-2 2017		RoHS:
EN ISO 13849-1 2015		EN IEC 63000 2018
IEC 62061 2021		

Supplementary Information

The year in which the UKCA marking was affixed, is **2023**
1st Nov. 2023
Nagano-ken, Japan


Hiroyuki Ozawa
MS CS Quality Assurance Department
General Manager
SEIKO EPSON CORPORATION

Declared based on "Technical Data File, **1st Nov. 2023** "



4144026-02



Annex to declaration of incorporation of partly completed machinery

for following product(s):

Product Name: Model:
 Industrial Robot GX4-B,GX8-B,GX10-B,GX20-B (Serial number G*****0001 - G*****9999)
 / Robot Controller R114x(x=A or B)(RC700-E) (Serial number R7E***0001 - R7E***9999)
 <Note> * : 0 - 9, A - Z

The following basic requirements of the **Machinery Directive 2006/42/EC** are applied and will be adhered. Appropriate items to be marked "X".

The Machinery Directive 2006/42/EC, Annex I The Supply of Machinery (Safety) Regulations 2008, Schedule 2, Part 1 - Essential health and safety requirements relating to the design and construction of machinery	Applicable and adhered C :Conform NC:Not conform NA:Not applicable
1. Essential health and safety requirements	-
1.1. General	-
1.1.1. Definitions	-
1.1.2. Principles of safety integration	C
1.1.3. Materials and products used	C
1.1.4. Integral lighting	NA
1.1.5. Handling of machinery and parts of machinery	C
1.1.6. Ergonomic principles	C
1.1.7. Operating positions in hazardous environments	NA
1.1.8. Seating and the provision of seats	NA
1.2. Control systems	-
1.2.1. Safety and reliability of control systems	C
1.2.2. Control devices	C
1.2.3. Control of starting	C
1.2.4. Stop control devices	-
1.2.4.1. Normal stop control devices	C
1.2.4.2. Operational stop	C
1.2.4.3. Emergency stop devices	C
1.2.4.4. Stop controls for assemblies of machinery	C
1.2.5. Mode Selection	C
1.2.6. Failure of the power supply	C
1.3. Protection against mechanical hazards	-
1.3.1. Stability	C
1.3.2. Break-up during operation	C
1.3.3. Falling or ejected objects	C
1.3.4. Sharp edges and angles and rough surfaces	C
1.3.5. Combined machinery	NA
1.3.6. Variations in operating conditions	NA
1.3.7. Moving parts	C
1.3.8. Moving parts	NA
1.3.8.1. Moving transmission parts	NA
1.3.8.2. Moving parts involved in the process	NA

The Machinery Directive 2006/42/EC, Annex I The Supply of Machinery (Safety) Regulations 2008, Schedule 2, Part 1 - Essential health and safety requirements relating to the design and construction of machinery	Applicable and adhered C :Conform NC:Not conform NA:Not applicable
1.3.9. Uncontrolled movements	C
1.4. Required characteristics of guards and protective devices	-
1.4.1. General requirements for guards and protective devices	NA
1.4.2. Special requirements for guards	-
1.4.2.1. Fixed guards	NA
1.4.2.2. Interlocking movable guards	NA
1.4.2.3. Adjustable guards restricting access	NA
1.4.3. Protective devices	NA
1.5. Risks due to other hazards	-
1.5.1. Electricity	C
1.5.2. Unwanted static electricity	C
1.5.3. Energy supply other than electricity	NA
1.5.4. Errors of fitting	C
1.5.5. Extreme temperatures	NA
1.5.6. Fire	C
1.5.7. Explosion	NA
1.5.8. Reduction of noise emission	C
1.5.9. Vibrations	C
1.5.10. Ionising and non-ionising radiation	C
1.5.11. External radiation	C
1.5.12. Laser radiation	NA
1.5.13. Emissions of hazardous materials and substances	NA
1.5.14. Risk of being trapped	NA
1.5.15. Slips, trips and falls	NA
1.5.16. Lightning	C
1.6. Maintenance	-
1.6.1. Maintenance	C
1.6.2. Access to operating positions and servicing points	C
1.6.3. Isolation of energy sources	C
1.6.4. Operator interventions	C
1.6.5. Cleaning of internal parts	NA
1.7. Information	-
1.7.1. Information and warnings / language	C
1.7.1.1. Information and information devices	C
1.7.1.2. Warning devices	NA
1.7.2. Warning of residual risks	C
1.7.3. Marking of machinery	C
1.7.4. Instructions	C
1.7.4.1. General guideline for instructions	C
1.7.4.2. Instruction's content	C

The Machinery Directive 2006/42/EC, Annex I The Supply of Machinery (Safety) Regulations 2008, Schedule 2, Part 1 - Essential health and safety requirements relating to the design and construction of machinery	Applicable and adhered C :Conform NC:Not conform NA:Not applicable
1.7.4.3. Sales literature	C
2. Supplementary essential health and safety requirements for certain categories of machinery	NA
3. Supplementary essential health and safety requirements to offset hazards due to the mobility of machinery	NA
4. Supplementary essential health and safety requirements to offset hazards due to lifting operations	NA
5. Supplementary essential health and safety requirements for machinery intended for underground work	NA
6. Supplementary essential health and safety requirements for machinery presenting particular hazards due to the lifting of persons	NA

EPSON

Annex to manipulator type

GX 4 - B 25 1 S □ □ □
a b c d e f g h

a	: Series name	GX	
b	: Payload	4	: 4kg
c	: Arm length	25	: 250mm
		30	: 300mm
		35	: 350mm
		1	: 150mm(120mm)
d	: Axis#3 stroke	1	: 150mm(120mm) * () Is Clean, with bellows option
e	: Environment	S	: Standard (equivalent to IP20)
		E	: Standard(IP20)+ESD
		C	: Clean+ESD
f	: Mounting	None	: Table top mounting
		M	: Multiple mounting
g	: Cable mounting direction	None	: Standard(Table top mounting -back out, multi-top out)
		B	: Table top mounting -bottom out
h	: Arm type	None	: Straight
		-L	: Left carving
		-R	: Right carving

GX 8 - B 45 2 S □ □
a b c d e f g

a	: Series name	GX	
b	: Payload	8	: 8kg
c	: Arm length	45	: 450mm
		55	: 550mm
		65	: 650mm
		2	: 200mm(170mm)
d	: Axis#3 stroke	3	: 330mm(300mm)
			* () Is Clean,IP, with bellows option
e	: Environment	S	: Standard (equivalent to IP20)
		E	: Standard(IP20)+ESD
		C	: Clean+ESD
f	: Mounting	P	: Protected(IP65)
		None	: Table top mounting
		W	: Wall mounting
g	: Cable mounting direction	R	: Ceiling mounting
		None	: Standard(Table top mounting -back out, Ceiling mounting - back out, multi-top out)
		B	: Table top mounting -bottom out

EPSON

GX 10 - B 65 1 S □
 a b c d e f

a : Series name GX
 b : Payload 10 : 10kg
 c : Arm length 65 : 650mm
 85 : 850mm
 d : Axis#3 stroke 1 : 180mm(150mm)
 4 : 420mm(390mm)
 * () Is Clean,IP, with bellows option
 e : Environment S : Standard (equivalent to IP20)
 C : Clean+ESD
 P : Protected(IP65)
 f : Mounting None : Table top mounting
 W : Wall mounting
 R : Ceiling mounting

GX 20 - B 85 1 S □
 a b c d e f

a : Series name GX
 b : Payload 20 : 20kg
 c : Arm length 85 : 850mm
 A0 : 1000mm
 d : Axis#3 stroke 1 : 180mm(150mm)
 4 : 420mm(390mm)
 * () Is Clean,IP, with bellows option
 e : Environment S : Standard (equivalent to IP20)
 C : Clean+ESD
 P : Protected(IP65)
 f : Mounting None : Table top mounting
 W : Wall mounting
 R : Ceiling mounting

Annex to controller type

R 1 1 4 A
 a

a : Controller Type A : RC700-E FOR GX4 series
 B : RC700-E FOR GX8 series, GX10 series, GX20 series

Annex to hardware options

<p>For industrial robot:</p> <ul style="list-style-type: none"><input type="checkbox"/> External Wiring Unit<input type="checkbox"/> Tool Adapter<input type="checkbox"/> M/C Cable<input type="checkbox"/> Camera Mounting Bracket<input type="checkbox"/> Bellows	<p>For robot controller:</p> <ul style="list-style-type: none"><input type="checkbox"/> Expansion I/O<input type="checkbox"/> RS-232C<input type="checkbox"/> Analog I/O<input type="checkbox"/> Fieldbus I/O Slave (PROFIBUS-DP, DeviceNET, CC-LINK, EtherNet/IP, PROFINET, EtherCAT)<input type="checkbox"/> Fieldbus I/O Master (PROFIBUS-DP, DeviceNET, EtherNet/IP)<input type="checkbox"/> Teach pendant TP2, TP3<input type="checkbox"/> Emergency stop box, cable<input type="checkbox"/> wall mounting bracket<input type="checkbox"/> PG Board, Conveyor Tracking<input type="checkbox"/> Hot Plug Kit
---	---