

FANUC Robot LR Mate 200iD

Inspection Data Sheet 検査成績書

Order No. 製番	YS43060	Mecha. Unit Serial No. 機構部機番	R13901558
Specification 機構部仕様	A05B-1142-B201	Control Unit Serial No. 制御部機番	E13930797
Date of Test 検査年月日	2013/09/27	Edition of Software ソフトウェア版数	7DD0/11

This Inspection Data Sheet describes the performance of the product, with corresponding serial number, inspected upon the in-house inspection tolerance, at the time of manufacture.

本検査成績書は、当社の検査許容値を基に検査した機番に該当する製品の出荷時における状態を示します。

顧客名 Customer

FANUC EUROPE CO.

検査結果 Result 承認 Approved by **Y.SASAKI**
 担当者 Checked by **F.HORIUCHI**

項	Check Items 検査項目	Check 確認
1	Appearance Check 外観/梱包検査	OK
2	Durability Running Check 連続運転検査	OK
3	Function Check 機能検査	OK
4	Insulation Resistance Check(option) 絶縁検査(オプション)	OK
5	Option Unit Check オプションユニット検査	N/A

マスタリングデータ Mastering Data (システム変数 SYSTEM VARIABLE)

	\$DMR_GRP[1]	\$DMR_GRP[2]		\$DMR_M3_GRP[1]
\$MASTER_COUN[1]	486558	0	\$MASTER_CNT2[1]	N/A
\$MASTER_COUN[2]	-5622542	0	\$MASTER_CNT2[2]	N/A
\$MASTER_COUN[3]	7975353	0	\$MASTER_CNT2[3]	N/A
\$MASTER_COUN[4]	447142	0	\$MASTER_CNT2[4]	N/A
\$MASTER_COUN[5]	-371601	0	\$MASTER_CNT2[5]	N/A
\$MASTER_COUN[6]	-3872332	0	\$MASTER_CNT2[6]	N/A
\$MASTER_COUN[7]	0	0	\$MASTER_CNT2[7]	N/A
\$MASTER_COUN[8]	0	0	\$MASTER_CNT2[8]	N/A
\$MASTER_COUN[9]	0	0	\$MASTER_CNT2[9]	N/A
重力補正マスタリング Mastering with Gravity Compensation	N/A	N/A		

トルクマージンデータ(オプション) Torque Margin Data(option) (システム変数 SYSTEM VARIABLE)

\$PLCL_GRP[1].TRQ_MGN[4]	1	\$PLCL_GRP[2].TRQ_MGN[4]	1
\$PLCL_GRP[1].TRQ_MGN[5]	1	\$PLCL_GRP[2].TRQ_MGN[5]	1
\$PLCL_GRP[1].TRQ_MGN[6]	1	\$PLCL_GRP[2].TRQ_MGN[6]	1

List of The Order Items

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47 items

仕様 : Specification	名称 : Item	記号 : Code	数量 : Quantity
200-230V	Input power voltage 200-230V	#	1
A05B-1137-J058	Right angle type RI connector	D1	1
A05B-1142-B201	LR MATE 200ID 6BK	D1	1
A05B-1142-H003	DOUBLE SOLENOID VALVE X 2	D1	1
A05B-1142-H052	360 DEG ROTATION (WITHOUT	D1	1
A05B-1142-H062	AXIS MARK KIT	D1	1
A05B-1142-H071	TRANSPORT EQUIPMENT	D1	1
A05B-1142-H101	LR MATE 200ID MECHANICAL U	D1	1
A05B-1142-H201	MECHANICAL UNIT CABLE 6BK	D1	1
A05B-1142-H301	MECHANICAL UNIT CABLE(INT	D1	1
A05B-1142-H401	IP67 COVER (STANDARD)	D1	1
A05B-1142-J081	CE MARKING LABEL 6BK	D1	1
A05B-2255-H101#EGN	IPENDANT (TOUCH PANEL)/ E	Z1	1
A05B-2600-H020	CPU CARD STANDARD (DRAM	Z1	1
A05B-2600-H040	AXES CONTROL CARD 6 AXES	Z1	1
A05B-2600-H061	FROM32MB/SRAM2MB	Z1	1
A05B-2600-H521	BASIC DICTIONARY (ENGLISH)	#	1
A05B-2600-H930	DIGITAL SERVO FUNCTION	#	1
A05B-2600-J618	CE SIGN OPTION	#	1
A05B-2600-R651	STANDARD SETTING	#	1
A05B-2650-H510#7DD0	BASICSOFT (MATE)	#	1
A05B-2650-H551	LR HANDLING TOOL	#	1
A05B-2650-H755	ROBOT SOFTWARE LR MATE 2	#	1
A05B-2650-K001	SPARE FUSE(MAIN BOARD, SE	Z1	1
A05B-2650-K002	SPARE FUSE(E-STOP UNIT)	Z1	1
A05B-2655-B011	LR MATE 200ID BASIC UNIT/C	Z1	1
A05B-2655-H003	MAIN BOARD C(WITH VISION,F	Z1	1
A05B-2655-H030	6 AXES CONTROL	Z1	1
A05B-2655-H081	BACKPLANE 2 SLOTS	Z1	1
A05B-2655-H100	OPERATOR'S PANEL /ENGLISH	Z1	1
A05B-2655-H110	E-STOP UNIT(DUAL,1Φ)	Z1	1
A05B-2655-H120	NAME PLATE (R-30IB MATE)	Z1	1
A05B-2655-H130	NAME PLATE(ROBOT)	Z1	1
A05B-2655-H150	DISCHARGE RESISTOR 50W	Z1	1
A05B-2655-H160	MCC UNIT	Z1	1
A05B-2655-H170	TEACH PENDANT CABLE FOR I	Z1	1
A05B-2655-H180	PSU UNIT	Z1	1
A05B-2655-H221	ROBOT CONNECTION CABLE	D1	1
A05B-2655-H400	CABLE ENTRANCE(OPEN AIR)	Z1	1
A05B-2655-J120	CONNECTOR PANEL(I/O, E-ST	Z1	1
A05B-2655-J130	ETHERNET EXTERNAL CONNE	Z1	1
A05B-2655-J261	POWER SUPPLY CABLE 7M(1 P	Z1	1
A05B-2655-J450	TOP HAT PLATE(OPEN AIR)	Z1	1
A05B-2655-J452	19INCH RACK FIXING PLATE(O	Z1	1
A05B-2655-K010	CONNECTOR FOR PERIPHERA	Z1	1
A05B-2655-K011	CONNECTOR FOR E-STOP CA	Z1	1
A370-3052-0001#E-62314	TAG	D	2

EC DECLARATION OF CONFORMITY

according to 2004/108/EC and 2006/95/E

FANUC CORPORATION.

3580 Komanba, Shibokusa, Oshino-mura, Minamitsuru-gun, Yamanashi, 401-0597 Japan

declares, in sole responsibility, that the following product:

Controller : A05B-2655-B011 (FANUC SYSTEM R-30iB Mate)

Robot : A05B-1142-B201 (FANUC Robot LR Mate 200iD)

referred to in this declaration conforms with the following directives:

Electromagnetic Compatibility Directive (2004/108/EC)

EN55011, EN61000-6-2

Low Voltage Directive (2006/95/EC)

EN ISO10218-1, EN60204-1

The company named above will keep on file for review the following technical documentation:

- # operating and maintenance instructions
- # technical drawings
- # description of measures designed to ensure conformity
- # other technical documentation, e.g. quality assurance measures for design and production

Importer/Distributor in EU:

FANUC Europe Corporation,S.A.

Zone Industrielle L-6468 Echternach, Grand-Duche de Luxembourg

Note: This declaration becomes invalid if technical or operational modifications are introduced without the manufacturer's consent.

H.TAKAHASHI

MANAGER
ROBOT MANUFACTURING DEPARTMENT

Yamanashi, Japan

27.Sep.2013

(Place and date issued)

H. Takahashi.

(Name and signature as well as position of declarant)

DECLARATION OF INCORPORATION

according to Machinery Directive 2006/42/EC, Annex IIB

Name of company **FANUC CORPORATION**

Address 3580 Komanba Shibokusa
/Place of the declaration Oshino-mura Minamitsuru-gun
Yamanashi Prefecture , 401-0597 Japan

declares, in sole responsibility, that the following machine(incomplete)

INDUSTRIAL ROBOT

MODEL **FANUC Robot LR Mate 200iD**

DESIGNATION **A05B-2655-B011 / A05B-1142-B201**

SERIAL No. **E13930797 / R13901558**

referred to in this declaration conforms with the following standards of directives as far as applicable:

- EN ISO10218-1
- EN60204-1

Clause 1.1,1.2,1.5-1.7 of ANNEX I of the DIRECTIVE 2006/42/EC are applied and fulfilled. FANUC will keep on file for review the following technical documentation:

- operating and maintenance instructions
- technical drawings
- risk assessment
- description of measures designed to ensure conformity
- other technical documentation

- This robot is intended to be incorporated into machinery or assembled with other machinery to constitute machinery covered by Machinery Directive.
- This robot 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 Directive.
- This declaration becomes invalid if technical or operational modifications are introduced without the manufacturer's consent.

Authorized representative

/Person authorized to compile the relevant technical documentation in EU:

FANUC Europe Corporation,S.A.

Zone Industrielle L-6468 Echternach,Grand-Duche de Luxembourg

Date **27.Sep.2013**

Signature *H. Takahashi*

H. TAKAHASHI

MANAGER
ROBOT MANUFACTURING DEPARTMENT

YS43060 E-62314

Robot Inspection Data Sheet 1

R.No. R13901558

Robot Name LR Mate 200iD

Order Sheet No. YS43060

Date 13/09/26

Tested by AKIO.I

Tester No. 16

REPEATABILITY MESUREMENT DATA

	1	2	3	4	5	6	7			
J1	0.000	0.000	0.000	0.000	0.000	0.000	0.030	Means	0.015	Tol. 0.020 Judgment OK
J2	0.000	-0.010	-0.010	-0.010	0.000	-0.010	-0.010	Means	0.005	Tol. 0.020 Judgment OK
J3	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Means	0.000	Tol. 0.020 Judgment OK
J4	0.000	0.000	0.000	0.000	0.000	0.000	0.000	Means	0.000	Tol. 0.020 Judgment OK
J5	0.000	0.010	0.010	0.010	0.010	0.000	0.000	Means	0.005	Tol. 0.020 Judgment OK
J6	0.000	-0.010	-0.010	-0.020	-0.020	-0.020	-0.030	Means	0.015	Tol. 0.020 Judgment OK

BACKLASH MESUREMENT DATA

	2	3	Average	Tolerance	Result
J1	0.11	0.11	0.11	0.14	OK
J2	0.02	0.02	0.02	0.05	OK
J3	0.03	0.03	0.03	0.05	OK
J4	0.02	0.01	0.01	0.04	OK
J5	0.05	0.04	0.04	0.08	OK
J6	0.04	0.04	0.04	0.05	OK

FALL DISTANCE MESUREMENT DATA

	1	2	3	Tolerance	Result
	0.14	0.14	0.15	0.20	OK

Robot Inspection Data Sheet 2

R.No. R13901558

Robot Name LR Mate 200iD

Order Sheet No. YS43060

Date 13/09/26

Tested by AKIO.I

Tester No. 16

CURRENT MEASUREMENT DATA

J1	+ 8.3	- 8.1	Tol. 10	Result 8.3	Judgment OK
J2	+ 5.6	- 9.4	Tol. 11.2	Result 9.4	Judgment OK
J3	+ 16.3	- 15.6	Tol. 19	Result 16.3	Judgment OK
J4	+ 13.0	- 11.5	Tol. 16.6	Result 13.0	Judgment OK
J5	+ 3.5	- 3.6	Tol. 4.4	Result 3.6	Judgment OK
J6	+ 4.9	- 5.0	Tol. 6.1	Result 5.0	Judgment OK

VIBRATION MEASUREMENT DATA

J1	3 %	0 %	0 %	0 %					Tol. 6800
	4644.000	0.000	0.000	0.000					Result OK
	3308.000	0.000	0.000	0.000					
J2	3 %	0 %	0 %	0 %					Tol. 6000
	4824.000	0.000	0.000	0.000					Result OK
	3133.000	0.000	0.000	0.000					
J3	3 %	0 %	0 %	0 %					Tol. 6000
	1065.000	0.000	0.000	0.000					Result OK
	2354.000	0.000	0.000	0.000					
J4	4 %	0 %	0 %	0 %					Tol. 1200
	816.000	0.000	0.000	0.000					Result OK
	798.000	0.000	0.000	0.000					
J5	7 %	0 %	0 %	0 %					Tol. 4000
	1592.000	0.000	0.000	0.000					Result OK
	1502.000	0.000	0.000	0.000					
J6	4 %	0 %	0 %	0 %					Tol. 3800
	3404.000	0.000	0.000	0.000					Result OK
	2276.000	0.000	0.000	0.000					

ROBOT RDI/RDO TEST

RDI OK RDO OK HBK OK PPABN OK E.STOP OK