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Providing Information of Data regarding "Connected Product"

FANUC CORPORATION provides the following information regarding data related to FANUC ROBOCUT α-CiC series.

For information on each data, refer to the file below (hereafter referred to as the data list). 「Materials for Providing Information_Annex_CNC,Power Motion」 「Materials for Providing Information_Annex FANUC ROBOCUT α-CiC serie」

1. Type, format and estimated volume of product data

・Type: Refer to the data list.

・Format: Refer to the data list.

・Estimated volume: Refer to the data list.

2. Frequency of product data generation

The frequency of generation varies depending on the data. Refer to the data list.

3. Product data storage location

The storage location varies depending on the data. Refer to the data list.

4. Methods for accessing, obtaining, or deleting product data

The methods for accessing, obtaining, and deleting data vary depending on the data. Refer to the data list.

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Connected Product Name	(1)Product data				(2)Frequency of product data generation (whether data can be generated continuously and in real time)	(3)Whether data is stored on your device or on a remote server	(4)Methods for accessing, obtaining, or deleting product data
	Type	Data name	Format	Estimated volume			
FANUC Series 30i-MODEL B FANUC Series 30i-MODEL B Plus FANUC Series 31i-MODEL B FANUC Series 31i-MODEL B Plus FANUC Series 31i-MODEL B5 FANUC Series 31i-MODEL B5 Plus FANUC Series 32i-MODEL B FANUC Series 32i-MODEL B Plus FANUC Series 35i-MODEL B FANUC Series 30i-LB FANUC Series 30i-LB Plus FANUC Series 30i-PB FANUC Series 31i-LB FANUC Series 31i-LB Plus FANUC Series 31i-PB FANUC Series 31i-PB Plus FANUC Series 31i-WB FANUC Series 0i-MF FANUC Series 0i-MF Plus FANUC Series 0i-TF FANUC Series 0i-TF Plus FANUC Series 0i-PF FANUC Series 0i-PF Plus FANUC Series 0i-LF Plus FANUC Power Motion i-A Plus FANUC Power Motion i-MODEL A FANUC Digital Servo Adapter-MODEL B	CNC composition	Software, Hardware series/edition number	text file	1.2 Kbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (ALL I/O screen)
	CNC status	Actual power consumption	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (power consumption monitor screen)
		Executing program name*2	string	32 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen
		Operating status*2	string	10 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen
		Main program name*2	string	32 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen
		Total power-on time	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (setting screen)
		Fan speed of CNC	number	8 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (diagnosis screen) ·Diagnosis number : 1002, 1003, 1490, 1491
		Fan status of CNC	number	2 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (diagnosis screen) ·Diagnosis number : 1495, 1496
	CNC axis status	Absolute coordinates of the axis*2	number	8 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (position screen)
		Actual power consumption of the axis	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (power consumption monitor screen)
		Axis load	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (operating monitor screen)
		Insulation resistance value of the axis	number	8 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (diagnosis screen) ·Diagnosis number : 1701(axis) , 1703(main axis)
		Deterioration status of insulation resistance of the axis	number	1 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (diagnosis screen) ·Diagnosis number : 1700(axis) , 1701(main axis)
		Machine coordinates of the axis	number	8 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (position screen)
		Relative coordinates of the axis*2	number	8 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (position screen)
		Rotational speed of the axis*2	number	8 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (position screen)
		Axis motor temperature	number	1 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (diagnosis screen) ·Diagnosis number : 308(axis) , 403(main axis)
	CNC path status *2	B code*1	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (program check screen)
		F code	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (program check screen)
		G code	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (program check screen)
		H code	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (program check screen)
		M code	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (program check screen)
		Running program name of the path	string	32 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (program check screen)
		Actual rotation speed of the path	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (position screen)
		S code	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (program check screen)
		T code	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (program check screen)
		Cutting time of the path	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (setting screen)
		Actual feedrate of the path	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (position screen)
		Machine lock signal of the path	number	1 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (position screen)
		Program running time of the path	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (setting screen)
		Number of machined parts of the path	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (setting screen)
		Main program name of the path	string	32 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen
		Sequence number of the path	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (program check screen)
		Total number of machined parts of the path	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (setting screen)
	Alarm information	Alarm message	string	64 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (alarm screen)
		Alarm numbe	number	2 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (alarm screen)
		Alarm type	string	2 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (alarm screen)
	Operator message *2	Operator message	string	128 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (message screen)
		Message number	number	2 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (message screen)
	Program*2	Program	text file	~32Mbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (ALL I/O screen)
	Setting	Tool offset*2	text file	~100Kbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (ALL I/O screen)
		Workpiece origin offset amount*2	text file	~10Kbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (ALL I/O screen)
		Pitch error compensation*2	text file	~100Kbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (ALL I/O screen)
		3D error compensation*1,*2	text file	~1Mbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (ALL I/O screen)
		Custom macro variables*2	text file	~100Kbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (ALL I/O screen)
		Tool life management*1,*2	text file	~10Kbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (ALL I/O screen)
		Tool management*1,*2	text file	~1Mbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (ALL I/O screen)
		Tool geometry and dimensions*1,*2	text file	~100Kbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (ALL I/O screen)
		Parameters	text file	~1Mbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (ALL I/O screen)
	History	Operation history	text file	~300 K byte	Dynamic information, always up-to-date	Possible	·Output on the CNC screen (ALL I/O screen)
		Alarm history	text file	~300 K byte	Dynamic information, always up-to-date	Possible	·Output on the CNC screen (ALL I/O screen)
		Operator message history*2	text file	~300 K byte	Dynamic information, always up-to-date	Possible	·Output on the CNC screen (ALL I/O screen)
	Maintenance	Regular maintenance	text file	~1 Kbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (ALL I/O screen)
	PMC	PMC signal	number	~256 Kbyte	Dynamic information, always up-to-date	Not Possible	·Check on the CNC screen (Signal status screen)
	CNC identification number	CNC identification number	text file	1Kbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (ALL I/O screen)

*1:FANUC Power Motion i-A Plus and*2:FANUC Power Motion i-MODEL A are not supported.

*2:FANUC Digital Servo Adapter-MODEL B are not supported.

Connected Product Name	(1)Product data				(2)Frequency of product data generation (whether data can be generated continuously and in real time)	(3)Whether data is stored on your device or on a remote server	(4)Methods for accessing, obtaining, or deleting product data
	Type	Data name	Format	Estimated volume			
FANUC Series 501i-A FANUC Series 501iS-A FANUC Series 502i-A FANUC Series 502iS-A FANUC Series 503i-A	CNC composition	Software, Hardware series/edition number	text file	1.2 Kbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (data input/output screen)
	CNC status	Executing program name*2	string	32 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (operation screen)
		Operating status*2	string	10 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen
		Main program name*2	string	32 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (operation screen)
		Total power-on time	number	8 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (operation screen)
		Fan speed of CNC	number	16 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (diagnosis screen) ·Diagnosis number : 1002, 1003, 1490, 1491
		Fan status of CNC	number	2 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (diagnosis screen) ·Diagnosis number : 1495, 1496
	CNC axis status	Absolute coordinates of the axis*2	number	8 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (operation screen)
		Actual power consumption of the axis	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (power consumption monitor screen)
		Axis load	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (operation screen)
		Insulation resistance value of the axis	number	8 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (diagnosis screen) ·Diagnosis number : 1701(axis)，1703(main axis)
		Deterioration status of insulation resistance of the axis	number	1 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (diagnosis screen) ·Diagnosis number : 1700(axis)，1701(main axis)
		Machine coordinates of the axis	number	8 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (operation screen)
		Relative coordinates of the axis*2	number	8 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (operation screen)
		Rotational speed of the axis*2	number	8 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (operation screen)
		Axis motor temperature	number	1 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (diagnosis screen) ·Diagnosis number : 308(axis)，403(main axis)
	CNC path status *2	B code*1	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (operation screen)
		F code	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (operation screen)
		G code	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (operation screen)
		H code	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (operation screen)
		M code	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (operation screen)
		Running program name of the path	string	32 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (operation screen)
		Actual rotation speed of the path	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (operation screen)
		S code	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (operation screen)
		T code	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (operation screen)
		Cutting time of the path	number	8 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (operation screen)
		Actual feedrate of the path	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (operation screen)
		Machine lock signal of the path	string	1 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (operation screen)
		Program running time of the path	number	8 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (operation screen)
		Number of machined parts of the path	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (operation screen)
		Main program name of the path	string	32 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (operation screen)
		Sequence number of the path	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (operation screen)
		Total number of machined parts of the path	number	4 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (operation screen)
	Alarm information	Alarm message	string	512 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (message screen)
		Alarm numbe	number	2 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (message screen)
		Alarm type	string	2 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (message screen)
	Operator message *2	Operator message	string	512 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (message screen)
		Message number	number	2 byte	Dynamic information, always up-to-date	Not possible	·Check on the CNC screen (message screen)
	Program*2	Program	text file	~32Mbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (data input/output screen)
	Setting	Tool offset*2	text file	~100Kbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (data input/output screen)
		Workpiece origin offset amount*2	text file	~10Kbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (data input/output screen)
		Pitch error compensation*2	text file	~100Kbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (data input/output screen)
		3D error compensation*1,*2	text file	~1Mbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (data input/output screen)
		Custom macro variables*2	text file	~100Kbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (data input/output screen)
		Tool life management*1,*2	text file	~10Kbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (data input/output screen)
		Tool management*1,*2	text file	~1Mbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (data input/output screen)
		Tool geometry and dimensions*1,*2	text file	~100Kbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (data input/output screen)
		CNC built-in 3D interference check geometry	text file	~100Kbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (data input/output screen)
		Parameters	text file	~1Mbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (data input/output screen)
	History	Operation history	text file	~450 K byte	Dynamic information, always up-to-date	Possible	·Output on the CNC screen (data input/output screen)
		Alarm history	text file	~450 K byte	Dynamic information, always up-to-date	Possible	·Output on the CNC screen (data input/output screen)
		Operator message history*2	text file	~450 K byte	Dynamic information, always up-to-date	Possible	·Output on the CNC screen (data input/output screen)
	PMC	PMC signal	number	~768 Kbyte	Dynamic information, always up-to-date	Not Possible	·Check on the CNC screen (PMC status screen)
	CNC identification number	CNC identification number	text file	1Kbyte	Static information, always up-to-date	Possible	·Output on the CNC screen (data input/output screen)

*1:FANUC Power Motion i-A Plus and*2:FANUC Power Motion i-MODEL A are not supported.

*2:FANUC Digital Servo Adapter-MODEL B are not supported.

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Connected Product Name	(1) Product Data				(2) Frequency of data generation (availability of continuous and real-time data generation)	(3) Whether data can be stored on the device or on a remote server	(4) Method of accessing, acquiring, or, if applicable, erasing data.
	Classification.	data-name	form (something takes)	Estimated quantity			
FANUC ROBOCUT α-C400iC	maintenance	Consumable life remain	Numerical data	60 byte	Dynamic information, always up-to-date	Not allowed	Check on the ROBOCUT screen
FANUC ROBOCUT α-C600iC		Regular service date	Numerical data	640 byte	Dynamic information, always up-to-date	Not allowed	Check on the ROBOCUT screen
FANUC ROBOCUT α-C800iC		Resistivity/Temperature	Numerical data	6000 byte	Dynamic information, always up-to-date	Not allowed	Check on the ROBOCUT screen
		AWF diagnose	Numerical data	60 byte	Dynamic information, always up-to-date	Not allowed	Check on the ROBOCUT screen
		Filter monitor	Numerical data	3000 byte	Dynamic information, always up-to-date	Not allowed	Check on the ROBOCUT screen
		Alarm history	Numerical data	Uncertainty	Dynamic information, always up-to-date	Not allowed	Check on the ROBOCUT screen
		Bundle file	File	100 kbyte	Dynamic information, always up-to-date output	Allowed	Output on ROBOCUT screen
	monitor	Cutting monitor	Numerical data	2～4 byte	Dynamic information, always up-to-date	Not allowed	Check on the ROBOCUT screen
		Result monitor	Numerical data	65536 byte	Dynamic information, always up-to-date	Not allowed	Check on the ROBOCUT screen
		Power consumption monitor	Numerical data	4096 byte	Dynamic information, always up-to-date	Not allowed	Check on the ROBOCUT screen