

PULSE EQ RC50 Integrated Dispenser IDH 2814024

ΙΟΠ 2014024

Operating Manual







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Please Observe the Following 1

1.1 **Emphasized Sections**

A Warning!

Refers to safety regulations and requires safety measures that protect the operator or other persons from injury or danger to life.

Caution!

Emphasizes what must be done or avoided so that the unit or other property is not damaged.

Notice:

A notice gives recommendations for better handling of the unit during operation or adjustment as well as for service activities.

For Your Safety 1.2

igta For safe and successful operation of the unit, read these instructions completely. If the instructions are not observed, the manufacturer can assume no responsibility.



 Λ Do not expose the connecting cable to heat, oil, or sharp edges.



 Λ Make sure the Unit stands stable and secure.



 $\mathbf{\Lambda}$ Use only original equipment replacement parts.

 $\mathbf{\Lambda}$ Always disconnect the power supply before servicing the unit.

Observe general safety regulations for the handling of chemicals such as Loctite[®] adhesives and sealants. Observe the manufacturer's instructions as stated in the Safety Data Sheet.

While under warranty, the unit may be repaired only by an authorized Loctite service representative.

1.3 Unpacking and Inspection

Carefully unpack the Loctite[®] EQ RC50 Integrated Dispenser I-4.0 and examine the items contained in the carton. Inspect the unit for any damage that might have occurred in transit. If such damage has occurred, notify the carrier immediately. Claims for damage must be made by the consignee to the carrier and should be reported to the manufacturer.

1.4 Packing List

- EQ RC50 Integrated Dispenser I-4.0 x 1
- Equipment Manual x 1
- Universal Power AC Adapter with Cord x 1
- Reservoir Tank Fitting: ¼ inch NPT x ¼ Inch Tubing x 1
- Bottle Holder x 1
- $\frac{1}{4}$ " NPT to 6 mm inlet supply line connector x 1
- Anti-Bubbler Fitting and Tubing Kit x 1
- Footswitch x 1
- Bottle spacer disc x 1

1.5 Features

- Two independent digital timing channels that provide control of 2 pneumatic outputs
- Low level sensor alarm provides warning for adhesive bottle replacement
- Touch screen User Interface (UI) with color display and ease of use
- Two operating modes: Auto Timer and Continue mode.
- Equipped with a 0 to 7 bar (0-100psi) digital pressure regulator
- Integrated with I/O communication interface

• Powerful I4.0 function, to enable user to interact in real time via Wi-Fi, Bluetooth, or Ethernet

1.6 Field of Application (Intended Use)

The Loctite EQ RC50 Integrated Dispenser I-4.0 combines both a controller and a reservoir into a single unit. The controller provides 2 independent digital timing channels that provide control of 2 pneumatic outputs. These outputs can be used to control any Loctite automatic dispense valve or pneumatic hand-held applicator. The controller can be actuated either by the start/stop button on the front touch panel, a footswitch(included), or external start signal. It is capable of operating in a timed or continue mode for dot or bead dispensing applications. The reservoir can accommodate 50ml, 250ml, 500gram, 1 liter, and 2 kg adhesive packages which deliver adhesive to dispensing valves. The reservoir is equipped with low level sensor which can notify the operator that the adhesive package needs to be replace. The system also includes an integrated industry 4.0 function that enables easy remote monitoring by Wi-Fi, Bluetooth or ethernet.

With the EQ RC50 Integrated Dispenser I-4.0, anaerobic, UV Curing and cyanoacrylate adhesive can be dispensed.

The capacity of the EQ RC50 Integrated Dispenser I-4.0 is:

-500 gr. bottle for CA Products	-1 lb. bottle
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- -250 ml bottle for Anaerobics -1 Liter bottle
- -Bottle with a Φ 124mm and a height of 250mm
- -2kg bottle

2 Description

2.1 Theory of Operation

The EQ RC50 Integrated Dispenser I-4.0 is connected to an external pneumatic supply. The system is equipped with a 0 to 7 bar (0-100psi) digital pressure regulator that regulates the preset dispensing pressure of the reservoir and controls the dispensing during the selected dispensing time.

An uncovered bottle of Loctite product is placed directly into the EQ RC50 Integrated Dispenser I-4.0, the feedline is inserted into the product, and the reservoir lid is clamped in place.

It is then pressurized using clean, filtered dry air. Air within the reservoir will push down on the liquid in the bottle and force it through the product feed line to the dispensing valve.

The amount of product dispensed is controlled by four main factors:

-Amount of pressure in the reservoir

-Length of time the dispensing valve remains open

-Valve stroke

-Dispensing needle size

Time Mode:

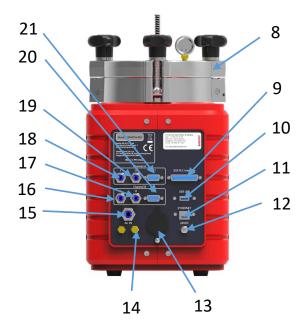
- 1. Press the footswitch/ manual button to activate the system
- 2. The dispensing timer will be activated and start to dispense with preset dispensing time.
- 3. After the dispensing timer has reached the preset dispensing time, the dispensing will be stopped.

Continue Mode:

- 1. Press the footswitch/ manual button to activate the system
- 2. The system will start to dispense, and the dispensing timer will start to count the dispensing time.
- 3. Once the footswitch is released or press the manual button again, the dispensing will stop.

2.2 Display, operating elements and connections



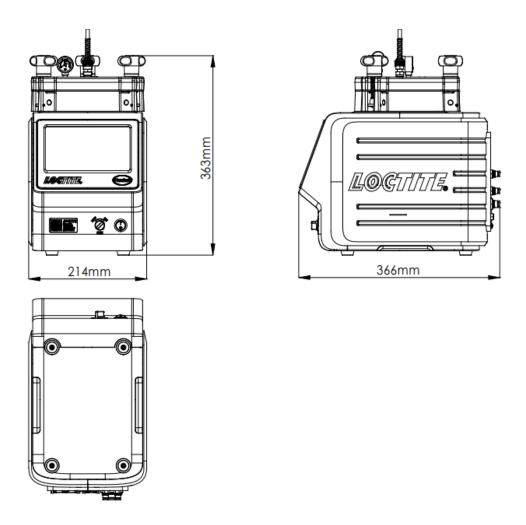


- 1. Power Switch ON/OFF
- 2. Air Pressure ON/OFF Switch
- 3. UI Screen
- 4. Valve Pressure Relief

- 5. Reservoir Pressure Gauge
- 6. Reservoir/Feedline Fitting
- 7. Reservoir Knob x 3
- 8. Reservoir Lid
- 9. Socket XS9 PLC Interface
- 10. Socket XS8 USB
- 11. ETHERNET
- 12. 24VDC Power In
- 13. Low Level Sensor
- 14. Silencer
- 15. Air Pressure In
- 16. Channel B ON Output
- 17. Channel B OFF Output
- 18. Channel A ON Output
- 19. Channel A OFF Output
- 20. Socket XS1 Channel B
- 21. Socket XS1 Channel A

3 Technical Data

214x363x366 mm
12 (26)
110~240 VAC 50/60Hz
24VDC
Approx. 30 Watts
Clean, dry air not to exceed 125psi (8.5bar). and
filtered with a maximum of 50 micron.
+10° C to +40° C (+50° F to +104° F)
- 10° C to +60° C (+14° F to +140° F)



4 Installation

Before using the equipment for the first time check it carefully for signs of external damage. If any shipping damage is found DO NOT USE THE EQUIPMENT – return it to your supplier immediately.

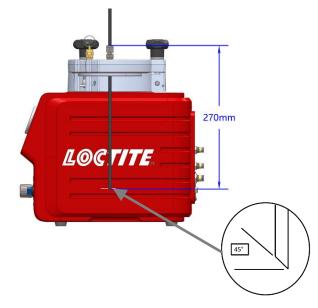
4.1 Environmental and Operating Conditions

- Keep the pneumatic hose to the dispense valve as short as possible for optimum dispense control.
- Keep product feedline as short as possible. The shorter the feedline the smaller the specific resistance and lower the dispensing pressure can be. Avoid kinking of the feedline.

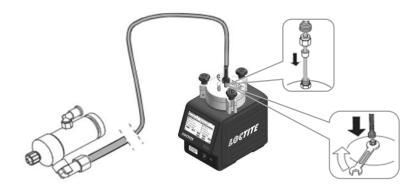
- Use flexible pneumatic hoses and Loctite supplied product feedlines to prevent unnecessary loads on the fittings and to ensure compatibility.
- Ensure all pneumatic and product fittings are tight.
- No direct sunlight; no UV light.
- No condensing humidity.
- No splashing waters.
- No high magnetic and intense electric field.

4.2 Connecting the Unit

- Use only the cable and hose sets supplied.
- Connect Air pressure supply to pneumatic connection (15).
- Plug the AC power cord into Power inlet (12), which located in rear side of the EQ RC50 Integrated Dispenser I-4.0.
- For manual operation, plug the footswitch into the 9 pin D-sub connector marked XS1, located on the rear panel of the EQ RC50 Integrated Dispenser I-4.0.
- For automated control, connect external PLC output relay to pins one and nine of XS1.
- Insert feedline through the reservoir lid to the dimension shown below. Alternatively use the reference line shown on the housing to set the feedline length. Cut the end of the feedline at an angle as shown below.



- Connect dispensing valve(s).



- If two dispense valves are used, remove blanking plug from the reservoir lid and replace with additional reservoir/tube fitting.

4.3 Filling and Refilling the Product Reservoir

▲ Warning!

Never fill the product directly into the reservoir! The pneumatic and safety devices would become clogged and therefore ineffective!

⚠ Warning!

Before loosening the reservoir locking knobs (7), the EQ RC50 Integrated Dispenser I4.0 must be depressurized (pressure-free)!

When dispensing cyanoacrylate and an empty signal is shown, refill the product reservoir immediately, since air in the product line results in curing of the product!

Before loosening the reservoir knobs (7), the reservoir must be depressurized! The reservoir is depressurized when the depressurizing valve (2) is in "OFF" position and pressure gauge (5) indicates no pressure. • Loosen the reservoir knobs (7) and remove the lid (8).

• Check that there is no condensed moisture at the bottle or the sensor surface.

- Place the bottle in the bottle holder (see the right figure).
- Check that the product bottle inserted in the bottle holder is pressed again the level sensor.
- Insert the product feedline into the bottle and put on the lid (8).
- Uniformly tighten the reservoir knobs (7) by hand.
- Set the depressurizing valve (2) to "ON" position (pressurize).

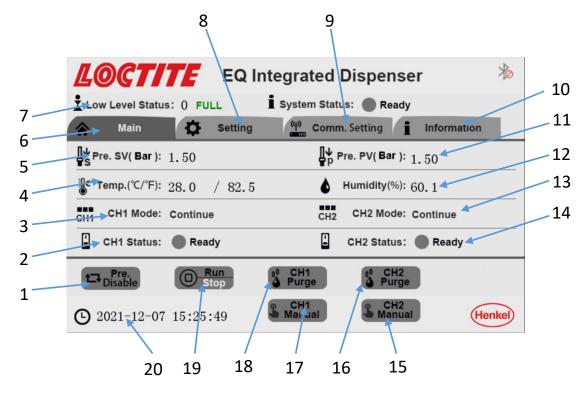
5 Operation

5.1 Turn on the Unit

Observe the operating manual of the EQ RC50 Integrated Dispenser I-4.0 used.

Turn the power switch (1) to ON

5.2 Main Page



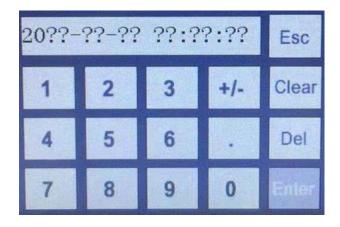


- Reservoir Pressure Disable/Enable: 'Enable' pressurizes the reservoir and 'Disable' de-pressurizes the reservoir
- 2. **CH1 Working Status**: Four state indicators, 'Ready' means system is awaiting a start signal, 'Stop' means the system disables the output of each channel, 'Dispensing' means channel 1 is activated to dispense adhesive in preselected Timer/Continue mode, 'Alarm' means the system has an error for example product bottle empty, reservoir pressure out of range etc.
- 3. CH1 Mode Selection: Continue/Auto Timer operating mode selection
- 4. Temperature Displays temperature value at the reservoir housing
- 5. Pre. SV (Bar): Displays reservoir set pressure
- 6. To Main page Page navigation
- 7. **Low Level Status**: Full/Empty is displayed to provide a warning when the adhesive bottle is becoming Empty
- 8. To Parameter Setting page Page navigation
- 9. To Communication Setting page Page navigation
- 10. To Warning Message page Page navigation
- 11. Pre. PV (Bar): Displays actual pressure within the reservoir
- 12. Humidity Displays humidity value at the reservoir housing
- 13. CH2 Mode Selection: Continue/Auto Timer operating mode selection
- 14. **CH2 Working Status**: Four state indicators, 'Ready' means system is awaiting a start signal, 'Stop' means the system disables the output of each channel, 'Dispensing' means channel 1 is activated to dispense adhesive in preselected Timer/Continue mode, 'Alarm' means the system has an error for example product bottle empty, reservoir pressure out of range etc.
- 15. **CH2 Manual Mode**: Manually start a dispensing sequence for channel 2 dispense valve in preselected operating mode. The dispensing time in time mode corresponds to the set value of channel 2. In continue mode, the product is dispensed when press the button, the button will turn green at the same time. Press the button again to stop dispense, and the button goes grey.
- 16. CH2 Purge: Enables purge of channel 2 dispense valve
- 17. **CH1 Manual Mode**: Manually start a dispensing sequence for channel 1 dispense valve in preselected operating mode. The dispensing time in time mode corresponds to the set value of channel 1. In continue mode, the product is dispensed when press the button, the button will turn green at the same time. Press the button again to stop dispense, and the button goes grey.

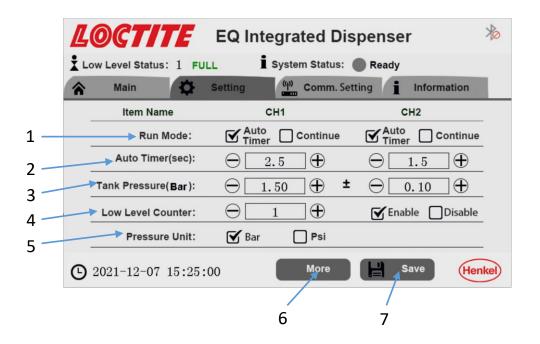
- 18. CH1 Purge: Enables purge of channel 1 dispense valve
- 19. Working Mode Selection: Run/Stop. 'Run' working mode enables the output for each channel, each channel can be operated via external controller, footswitch and remote monitoring; 'Stop' working mode disables the output for each channel, only enable purge for each channel.
- 20. **System Date/Time**: Actual time for use with data collection and analysis. Time and date are shown in this area. Press and hold on the date shown on the screen for minimum 3s, operator can edit time and data.

LOCTITE EQ IN	ntegrated Dispenser 🛛 🔌
Low Level Status: 0 FULL	İ System Status: 🔵 Ready
A Main 🔅 Setting	(w) Comm. Setting i Information
₽ve. sv(Bar): 1.50	₽ Pre. PV(Bar): 1.50
€° Temp.(°C/°F): 28.0 / 82.5	Humidity(%): 60. 1
CH1 CH1 Mode: Continue	CH2 CH2 Mode: Continue
CH1 Status: Ready	CH2 Status: Ready
Disable Disable	O CH1 Purge Purge
C 2021-12-07 15:25:49	CH1 CH2 Manual Henkel
2 m	

Enter date and time using keypad shown on the screen. Type in digits only, which replace from left to right the question marks. Date format ISO, yyyy-mm-dd. Press enter to save.



5.3 Parameter Setting Page



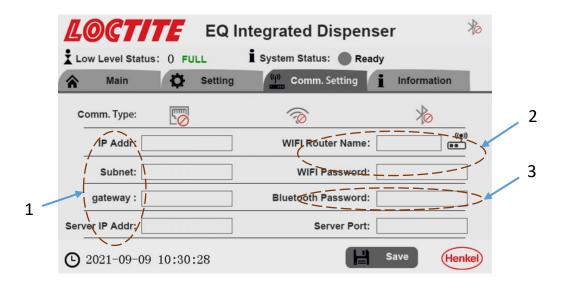
1. Run Mode selection: Auto Timer, Continue

Auto Timer Mode: This mode of operation is used for dot or drop dispensing. Operator can setup timer from 0~999s. the dispenser turns on with one press of the footswitch or input start signal via from the service, the dispensing will begin immediately and continue until the system times out.

Continue Mode: This mode of operation is used for the application of beads. Operator can engage the footswitch(s) to start dispensing and hold until the dispensing cycle is complete. When the footswitch is released, the dispensing will end immediately.

- 2. Auto Timer: Set the dispensing time for Channel A and Channel B in "Time" mode.
- 3. Reservoir Pressure setting
- **4.** Low Level Counter setting: Set the number of cycles that are permitted after low level is detected. Once these cycles have elapsed, the system will not dispense.
- 5. Pressure Unit selection: Bar/ Psi.
- More button Enters calibration screen and password setting See section 5.7
- **7.** Save Setting: Saves the changes.

5.4 Communication Setting Page



The dispensing system includes an integrated industry 4.0 function that enables easy remote monitoring by Wi-Fi, Bluetooth or ethernet.

Introduction to the set-up and configuration using an example based on the NetAssist program to test the I-4.0 function for the EQ RC50 Integrated dispenser. NetAssist network debugging assistant is a network testing tool integrating TCP server + client. It is a common and necessary professional tool in network application development and testing.

- 1. Ethernet communication function testing
 - Setup the laptop as a server (specify static IP address for server), connect laptop to router, build a LAN.
 - Connect reservoir to LAN via ethernet (Using crossline connect directly to the laptop if there is no router), specify IP address/ subnet mask, gateway for EQ RC50 Integrated dispenser, Open software Netassist on laptop.
 - Enable connection on software.
 - Send command on software page, check the status or response on EQ RC50 Integrated Dispenser I-4.0 User Interface.

	网络调试助手	₩ - □ ×			工具面板		
网络设置	数据曰志 用户支持]	MetAssist V4.3.13	快捷定	义 批重2	送 历史发送 校验计算器	ASCII码表	
(1)协议类型 TCP Server マ	[2021-03-22 14:08:23.160]# SEND ASCII TO ALL>	^	编号	延迟	数据	备注	-
,	W_PRESSURE_STATUS ON		✓ 31	1000	W_CH1_PURGE ON		
(2)本地主机地址	[2021-03-22 14:08:23.707]# RECV ASCII FROM 192.168.0.10		✓ 32	1000	ab R_CH1_PURGE		
192.168.0.101 💌	[2021-03-22 14:08:23.707]# RECV ASCII FROM 192.168.0.10 PRESSURE_STATUS_TRUE	12 :4/1432	✓ 33	1000	W_CH1_PURGE OFF		
(3)本地主机端口			√ 34	1000	ab R_CH1_PURGE		
8088	[2021-03-22 14:08:24.519]# SEND ASCII TO ALL>		√ 35	1000	W_CH2_PURGE ON		
 美闭 	W_PRESSURE_STATUS ON		✓ 36	1000	ab R_CH2_PURGE		
	[2021-03-22 14:08:24.707]# RECV ASCII FROM 192.168.0.10	2 :47143>	√ 37	1000	W_CH2_PURGE OFF		
接收设置	PRESSURE_STATUS TRUE		✓ 38	1000	ab R_CH2_PURGE		
• ASCII C HEX	[2021-03-22 14:09:00.745]# SEND ASCII TO ALL>		✓ 39	1000	ab W_PRESSURE_STATUS ON	发送	
☑ 按日志模式显示	W PRESSURE STATUS OFF		✓ 40	1000	ab R_PRESSURE_STATUS		_
☑ 接收完自动换行	<		√ 41	5000	ab W_MODE ON		
□ 接收转向至文件	[2021-03-22 14:09:01.214]# RECV ASCII FROM 192.168.0.10	02 :47143>	√ 42	5000	ab W_CH1_DISPENSING ON		
□ 暂停接收区显示	PRESSURE_STATUS FALSE		√ 43	1000	ab R_CH1_DISPENSING		
其他洗顶 清除接收	[2021-03-22 14:09:22.443]# SEND ASCII TO ALL>		✔ 44	1000	<pre>w_CH1_DISPENSING OFF</pre>		
	W_PRESSURE_STATUS ON		✓ 45	1000	ab R CH1_DISPENSING		
发送设置	[2021-03-22 14:09:22.709]# RECV ASCII FROM 192.168.0.10	0. (47142)	✓ 46	1000	ab W CH2 DISPENSING ON		
ASCII C HEX	PRESSURE STATUS TRUE	2 .411437	✓ 47	1000	ab R CH2 DISPENSING		
☑ 自动解析转义符	-		✓ 48	1000	ab W_CH2_DISPENSING OFF		
✓ AT指令自动回车 □ 自动发送校验位	<u> </u>	× 1	✓ 49	1000	ab R_CH2_DISPENSING		
「 打开文件数据源	数据发送 客户端: All Connections (1) ▼ ◆断开	- ↓ 清除 ↓ 清除	50	1000	ab W_PRESSURE_STATUS OFF	,	_
「循环周期 1000 ms	W_PRESSURE_STATUS ON		51	1000	ab R PRESSURE STATUS		
		发送	52	1000	ab R MACHINE INFO LOG		
快捷定义 历史发送	1			8 8	◎ 「循环模式	□ 开始发演	

- 2. WiFi communication function testing
 - Setup the laptop as a server (specify static IP address for server), connect laptop to router, build a LAN.
 - Connect Reservoir to LAN via WiFi.
 - Open Netassist on laptop, specify WiFi name for EQ RC50 Integrated dispenser, enable connection on software.
 - Send command on software page, check the status or response on EQ RC50 Integrated Dispenser I-4.0 User Interface.

1 · /	网络调试助手	×			工具面板		×
网络设置	数据日志 用户支持	MetAssist V4.3.13	快捷定》	く 批量な	送 历史发送 校验计算器 ,	scII码表	
(1)协议类型 TCP Server マ	[2021-03-22 14:08:23.160]# SEND ASCII TO ALL>	^	编号	延迟	数据	备注	
,	W_PRESSURE_STATUS ON		✓ 31	1000	W_CH1_PURGE ON		
(2)本地主机地址 192.168.0.101 V	[2021-03-22 14:08:23.707]# RECV ASCII FROM 192.168.0.102	471435	✓ 32	1000	ab R_CH1_PURGE		
,	PRESSURE_STATUS TRUE		✓ 33	1000	W_CH1_PURGE OFF		
(3)本地主机端口 8088	· · · · · · · · · · · · · · · · · · ·		✓ 34	1000	ab R_CH1_PURGE		
	[2021-03-22 14:08:24.519]# SEND ASCII TO ALL> W PRESSURE STATUS ON		✓ 35	1000	W_CH2_PURGE ON		
· 美闭			✓ 36	1000	R_CH2_PURGE		
· · · · · · · · · · · · · · · · · · ·	[2021-03-22 14:08:24.707]# RECV ASCII FROM 192.168.0.102	:47143>	✓ 37	1000	W_CH2_PURGE OFF		
接收设置	PRESSURE_STATUS TRUE		√ 38	1000	ALCH2_PURGE		
	[2021-03-22 14:09:00.745]# SEND ASCII TO ALL>		2 39	1000	W_PRESSURE_STATUS ON	发送	
☑ 按日志模式显示	W_PRESSURE_STATUS OFF		✓ 40	1000	R_PRESSURE_STATUS		
☑ 接收完自动换行	<		✓ 41	5000	ab W_MODE ON		
□ 接收转向至文件	[2021-03-22 14:09:01.214]# RECV ASCII FROM 192.168.0.102 PRESSURE_STATUS FALSE	:47143>	✓ 42	5000	W_CH1_DISPENSING ON		
□ 暂停接收区显示			✓ 43	1000	R_CH1_DISPENSING		
其他洗顶 清除接收	[2021-03-22 14:09:22.443]# SEND ASCII TO ALL>		✓ 44	1000	W_CH1_DISPENSING OFF		
发送设置	W_PRESSURE_STATUS ON		✓ 45	1000	R_CH1_DISPENSING		
• ASCII C HEX	[2021-03-22 14:09:22.709]# RECV ASCII FROM 192.168.0.102	:47143>	✓ 46	1000	W_CH2_DISPENSING ON		
▼ 自动解析转义符	PRESSURE_STATUS TRUE		✓ 47	1000	ab R_CH2_DISPENSING		
▼ AT指令自动回车			✓ 48	1000	ab W_CH2_DISPENSING OFF		
□ 自动发送校验位	<u> </u>		✓ 49	1000	ab R_CH2_DISPENSING		
□ 打开文件数据源	数据发送 客户端: All Connections (1) ▼ ◆断开	」 ↓ 清除 ↓ 清除	√ 50	1000	ab W_PRESSURE_STATUS OFF		
□ 循环周期 1000 ms	W_PRESSURE_STATUS ON		✓ 51	1000	ab R_PRESSURE_STATUS		
快捷定义历史发送		发送	✓ 52	1000	ab R_MACHINE_INFO_LOG		-
	1		00	3 🚳		□ 开始发送	ž
(♂ 就绪!	32/41 RX:559 TX:	532 夏位计数 //	<u> </u>	-	•		/

- 3. Bluetooth communication function testing
 - Click the Bluetooth selection button, Connect a smartphone to EQ RC50 Integrated Dispenser via Bluetooth.
 - Install APP BLUTOOTHASSIST on the smartphone (Android system)
 - Test command on the APP BLUTOOTHASSIT, check the status or response on EQ RC50 Integrated Dispenser I-4.0 user Interface.

Refer to the table below for the test commands which used to remote monitor by Wi-Fi, Bluetooth or ethernet.

Command	Keying Command	Feedback on Page		
System Status Request Command				
S_STATUS	S_STATUS	Run: True	✓	Connection built
S_TEM_HUM	S_TEM_HUM	TEM:24, Hum:33	~	Temperature:24, Humidity: 33
S_LOW_LEVEL_STATUS	S_LOW_LEVEL_STATUS	S_LOW_LEVEL_STATUS LOWER	~	Same as shows on reservoir page (See section 5.3)
S_PRESSURE	S_PRESSURE	PRESSURE 1.50	v	Same as shows on reservoir page (see section 5.3), 1.5 bar
Parameter Edit Command				
W_MODE	W_MODE ON	MODE TRUE		Mode is "RUN"
	W_MODE OFF	MODE FALSE		Mode is "STOP"
W_CH1_MODE	W_CH1_MODE TIMER	CH1 TIMER	~	CH1's mode set to TIMER, shows on page (see section 5.3).
W_CH2_MODE	W_CH2_MODE TIMER	CH2 TIMER	~	CH2's mode set to TIMER, shows on page (see section 5.3).
W_CH1_TIMER	W_CH1_TIMER 4	CH1_TIMER 4.00	✓	CH1's timer set to 4s
W_CH2_TIMER	W_CH2_TIMER 2.5	CH2_TIMER 2.50	✓	CH2's timer set to 2.5s
W_TARGET_PRESSURE	W_TARGET_PRESSURE 1.5	Target Pressure 1.50	~	Target pressure set to 1.5

W_PRESSURE_RANGE	W_PRESSURE_RANGE 0.5	TARGET_PRESURE 0.50	~	PRESSURE RANGE set to 0.5
W_PRESSURE_UNIT	W_PRESSURE_UNIT BAR	PRESSURE_UNIT BAR	~	PRESSURE UNIT BAR
W_LOW_LEVEL_COUNT	W_LOW_LEVEL_COUNT	LOW_LEVEL_COUNT 1	~	LOW LEVEL COUNT Set to 1
W_LOW_LEVEL_EN	W_LOW_LEVEL_EN EN	LOW_LEVEL_EN TRUE	~	LOW LEVEL EN Opened
W_CH1_PURGE	W_CH1_PURGE ON	CH1_PURGE TRUE	~	CH1 PURGE Opened
W_CH2_PURGE	W_CH2_PURGE ON	CH2_PURGE TRUE	~	CH2 PURGE Opened
W_CH1_DISPENSING	W_CH1_DISPENSING ON	CH1_DISPENSING TRUE	~	CH1 DISPENSING Opened
W_CH2_DISPENSING	W_CH2_DISPENSING ON	CH2_DISPENSING TRUE	~	CH2 DISPENSING Opened
W_PRESSURE_STATUS	W_PRESSURE_STATUS ON	PRESSURE_STATUS TRUE	√	PRESSURE STATUS Opened
Status/Parameter Reading Command				
R_MODE	R_MODE	MODE TRUE	✓	Mode is "RUN"
R_CH1_MODE	R_CH1_MODE	CH1 TIMER	√	CH1's mode is TIMER, shows on page (see section 5.3).
R_CH2_MODE	R_CH2_MODE	CH2 TIMER	v	CH2's mode is TIMER, shows on page (see section 5.3).
R_CH1_TIMER	R_CH1_TIMER	CH1_TIMER 4.00	~	CH1's timer is 4s
R_CH2_TIMER	R_CH2_TIMER	CH2_TIMER 2.50	~	CH2's timer is 2.5s
R_TARGET_PRESSURE	R_TARGET_PRESSURE	Target Pressure 1.50	~	Target pressure is 1.5
R_PRESSURE_RANGE	R_PRESSURE_RANGE	TARGET_PRESURE 0.50	~	PRESSURE RANGE is 0.5
R_PRESSURE_UNIT	R_PRESSURE_UNIT	PRESSURE_UNIT BAR	~	PRESSURE UNIT BAR
R_LOW_LEVEL_COUNT	R_LOW_LEVEL_COUNT	LOW_LEVEL_COUNT 1	~	LOW LEVEL COUNT is 1
R_LOW_LEVEL_EN	R_LOW_LEVEL_EN	LOW_LEVEL_EN TRUE	~	LO LEVEL EN Opened
r_ch 2 _purge	R_CH 2 _PURGE	CH1_PURGE TRUE	~	CH1 PURGE Opened

R_CH 1_PURGE	R_CH1_PURGE	CH2_PURGE TRUE	✓	CH2 PURGE Opened
R_CH1_DISPENSING	R_CH1_DISPENSING	CH1_DISPENSING TRUE	✓	CH1 DISPENSING Opened
R_CH 2 _DISPENSING	R_CH 2 _DISPENSING	CH2_DISPENSING TRUE	✓	CH2 DISPENSING Opened
R_PRESSURE_STATUS	R_PRESSURE_STATUS	PRESSURE_STATUS TRUE	✓	PRESSURE STATUS Opened

Full details and guide for use of full I-4.0 capability are available in the supplementary set-up instruction document.

5.5 Equipment Information Page

Ц	OCTITE	EQ Integrated Dispenser	淌
1 L	ow Level Status: FUL	L () System Status: Ready	
\$	Main 🛱	Setting 🤲 Comm. Setting 📋 Informatio	n
	Product Description:	EQ RC50 Integrated Dispenser I-4.0	
	MCU Version:	2. 1. 21. 0730	
	HMI Version:	2. 1. 21. 1025	
	IDH#:	2814024	
G	2021-10-26 11:21	.:49	Henkel

- 1. Product Description EQ RC50 Integrated Dispenser, I-4.0
- 2. MCU software version
- 3. HMI software version
- 4. Product IDH number

5.6 Set-up Configurations

5.6.1 Auto Timer Mode (Single dispense valve)

- Connect electrical and pneumatic supplies and dispense valve as described in section 4.2
- Place adhesive bottle in the reservoir as described in section 4.3
- Enter Setting page, select " **Matter** " mode for channel A or Channel B.
- Click the value → 999.99 ↔, this can be performed using the direct numerical input function to set dispensing time for channel A or channel B. Click the '+'/ '-' to increase/reduce the value by one step, the dispensing time is adjustable from 0.0 to 999.9s.
- Set the reservoir pressure and acceptable range, the pressure can be changed from 0.00 to 8.00 bar. Optionally set the pressure unit bar/psi if necessary.
- Set the number of cycles for Low Level Counter that are permitted after low level is detected. The system will not dispense once low level is detected when the low level counter function is disabled.
- Click "Enable" button to pressurise the reservoir and select "Enable" run working mode. The system is ready for dispensing in "Time" mode.

5.6.2 Auto Timer Mode (Two dispense valves)

- Connect electrical and pneumatic supplies and dispense valve as described in section 4.2
- Place adhesive bottle in the reservoir as described in section 4.3
- Enter Setting page, select " **Muto** Timer " run mode for channel A and channel B.
- Click the value → 999.99 + , this can be performed using the direct numerical input function to set dispensing time for channel A and channel B. Click the '+'/ '-' increase/reduce the value by one step, the dispensing time is adjustable from 0.0 to 999.9s.
- Set the reservoir pressure and acceptable range, the pressure can be changed from 0.00 to 8.00 bar. Optionally set the pressure unit bar/psi if necessary.

- Set the number of cycles for Low Level Counter "" that are permitted after low level is detected. The system will not dispense once low level is detected when the low level counter function is disabled.
- Click "Enable" button to pressurise the reservoir and select "Enable" run working mode. The system is ready for dispensing in "Time" mode.

5.6.3 Continue Mode (Single dispense valve)

- Connect electrical and pneumatic supplies and dispense valve as described in section 4.2
- Place adhesive bottle in the reservoir as described in section 4.3
- Enter Setting page, select "Continue" run mode for channel A or Channel B
- Click the "+"/"- "increase/reduce the value or enter direct numerical input to set the reservoir pressure and acceptable range,
- Set the number of cycles for Low Level Counter that are permitted after low level is detected. The system will not dispense once low level is detected when the low level counter function is disabled.
- Click " Enable" button to pressurise the reservoir and select " run working mode. The system is ready for dispensing in "Continue" mode.

5.6.4 Continue Mode (Two dispense valves)

- Connect electrical and pneumatic supplies and dispense valve as described in section 4.2
- Place adhesive bottle in the reservoir as described in section 4.3
- Enter Setting page, select " Continue " run mode for channel A & Channel B.
- Click the "+"/"- "increase/reduce the value or enter direct numerical input to set the reservoir pressure and acceptable range,
- Set the number of cycles for Low Level Counter that are permitted after low level is detected. The system will not dispense once low level is detected when the Low Level Counter function is disabled.
- Click " Enable" button to pressurise the reservoir and select " run working mode. The system is ready for dispensing in "Continue" mode.

5.7 Adjusting the Level Sensor

Notice:

The level sensor is set in manufacturing and can be adjusted according to the type of product used and the size of the bottle, and orientation of the basket with spacers if required. If small bottles are used the supplied Bottle spacer disc can be placed in the base of the reservoir to raise the height of the bottle to reduce the residual adhesive in the bottle when low level is used.

Before adjusting the Level Sensor

- Remove the plastic cap from the rear of the EQ RC50 Integrated Dispenser I-4.0.
- Empty a bottle of the product you use.
- Leave as much residue in the bottle as is required in order to prevent air getting into the product feedline.

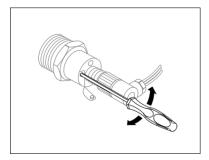


• Insert the product bottle into the reservoir. For small bottles use bottle holder. For 250ml product bottle, pay attention to ensure the bottle is aligned with the level sensor.

• Check that the product bottle inserted into the bottle holder is pressed against the level sensor. Only then the correct adjustment of the level sensor is possible.

Procedure to Adjust the Level Sensor:

- Switch the power switch (1) ON.
- Remove the metal screw from the level sensor.
- With an electrician's screwdriver, find the point at which the sensor switches to the condition inactive. The LED is "OFF".
- Check this adjustment with a full bottle and an empty bottle again.
- Refit the metal screw to the level sensor.
- Put the plastic cap back.



🕼 Notice:

The correct adjustment is exactly the point when the sensor switches OFF.

Do not go beyond that point!

5.8 More settings

5.8.1 Password setting

The EQ RC50 Integrated Dispenser can set two level passwords, Click the hidden button " **LOCTITE** "in the upper left corner of the pressure calibration page to enter the password setting page as shown below.

â	Main	Setting	(cp)	Comm. Setting	Informatio
	Elc. Signal An.:	279.04			
F	B. R.T. Value(Bar):	0.00		FB. R.T. Cal.:	0 Bar Ba
	ST. Cal.:	0 Bar Cal.		5 Bar Cal.	
	S.T. Cal. (0Bar):	⊖ <u>383</u>	$\square \oplus$	s.т. C al.(5Bar):	2724

The first level password is to protect entry to the Setting page and Comm. Setting page. Factory password – 888888.

The second level is to protect entry to the pressure calibration page and password change page. Factory password – 654321.

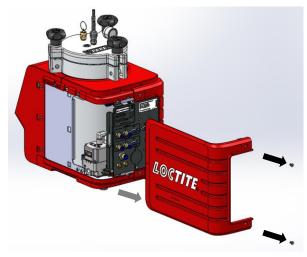
L	OCTI	TE	EQ In	tegrate	ed Dispe	ense	r	×
Lo	w Level Status	: 0 FU	LL	System	Status: 🌑 I	Ready		
*	Main	₽	Setting	(y) c	omm. Setting	i	Informat	ion
	1st Le	evel Pass	word:					
	2nd Le	evel Pass	word:					
i.								
©	2021-11-10	14:37:	:41			<mark>⊢¦</mark> s	ave	Henkel

The password must be created using up to 20 numbers (or blank). It is important to record any changes to the password. If the password is forgotten the Firmware has to be reloaded via Loctite equipment Services to unlock the Settings functions.

5.8.2 Pressure calibration process

This is to calibrate the displayed pressure value with the value from the internal proportional valve. This calibration is done during the manufacturing process therefore only required to be calibrated if the set pressure differs from the measured pressure in the main screen, the internal PCB is changed, or the firmware is updated. Instructions are shown below.

Connect air pressure supply to pneumatic connection (15) and switch ON. Note that the reservoir will be pressurized and vented during the procedure. Remove the two screws then gently draw out the right-side cover backward of the reservoir shown in the picture below.



Ensure reservoir pressure is disabled (button is grey) Disable in the Main screen before the pressure calibration. Follow the below steps for pressure calibration.

Enter Setting screen

	LO	CTIT	EQ In	tegra	ted Disper	nser	*	
	Low L	evel Status: 1	FULL	i Syster	n Status: 🔵 Re	ady		
	*	Main 【	Setting	(y)	Comm. Setting	i Infor	mation	
	1	Elc. Signal An.:	279.04					
L —	EB. R	.T. Value(Bar):	0.00		FB. R.T. Cal.	e () Bar	6	
		ST. Cal.:	0 Bar Cal.		5 Bar Cal.			
2 —		S.T. Cal. (0Bar):	⊖ <u>383</u>	$\Box \oplus$	S.T. Cal.(5Bar):	\ominus 2724	$\square \oplus$	
-	-							
5	() 202	1-12-07 11:	20:34	F	Return	Save	Henkel	

- "Select 0 bar Cal. (2) for ST. Cal. (Set calibration), then check the actual value of digital regulator (internal parts in the reservoir, see the right figure).
- Compared the difference between the actual value of digital regulator and '0 bar', then click "+"/"-"(3) to increase/decrease the value until the reading of "actual value of digital regulator" is "0" bar. For larger



changes, touch the number field (**3**) and enter a new value directly.

Note that the 0 bar setting is the critical one, there is a range of about 0 - 370 of the number, where the reading is close to 0(the prop reading always shows a small increase, it is acceptable that there is some uncertainty of the display reading of about +/- 0.02bar(0.0002Mpa) considering the accuracy of pressure regulator.). The correct adjustment is achieved by increasing the number field (**3**) until the prop regulator starts to increase from zero point.

- Click the " **W**" (4) to record the actual reading as 1st "reference" point.
- "Select 5 bar Cal. (6) for ST. Cal., it will take several 10s for the pressure to stabilize after setting to 5 bar. then check the actual value of digital regulator.

- Compared the difference between the actual value of the digital regulator and preset '5 bar', then click "+"/ "- "(7) to increase/decrease the value until the reading of "actual value of digital regulator" is "5 bar".
- Click the " (5) to record the actual reading as 2nd "reference" point.
- Press button Save to save all adjusted parameters.

Note: The display reading is in bar and prop. regulator is in mPa (factor of 10, e.g., 5 bar = 0.5 mPa). If a difference in the calibration values is displayed, repeat the calibration procedure to do calibration again.

6 Application Hints

As with all adhesives, performance depends on conditions of use. Suggestions or recommendations contained herein are for guidance only since actual conditions of use are outside the supplier's control.

6.1 Shutdown for Longer Periods of Non-use (>recommended idle time)

- Disconnect the pneumatic supply from the controller.
- Clean the product hose and dispensing valve.

Adhesive	Maximum idle time for dispensing Systems
Anaerobic	2 weeks
Cyanoacrylate	1 week
UV-acrylate	2 weeks
Acrylate	1 week
Ероху	2 weeks
Activator	n.a.
Primer	n.a.

Recommended maximum idle times for different products are shown below:

6.2 Returning to Operation after Longer Periods of Non-use

- Reconnect the pneumatic supply to the controller.
- Check the installation according to Chapter 4.
- Return to operation according to Section 5.1.~5.7.

7 Troubleshooting

▲ Before proceeding with any repair or maintenance operation disconnect the EQ RC50 Integrated Dispenser I-4.0 from the main electricity supply.

Malfunction	Possible Cause	Corrective
	Main power cable is	Check that the main power
	disconnected	cable is connected to an AC
	uisconnecteu	source.
No display appears on the		Turn on the main switch,
screen	Main switch is not turned on	located on the base of the
		Front panel.
	Fuse break	Check the fuse in power
	ruse break	inlet.
	Pneumatic supply not	Check pneumatic supply and
	connected	connections
Pressure not displayed on	Reservoir inner cable is	Check inner cable
User Interface	disconnected	connection from Reservoir
	EQ RC50 Integrated	Contact Henkel Service
	Dispenser I-4.0 is defective	Contact Henker Service
		Switch the power switch to
	XS1 cable connection is not	the position O (OFF).
No start signal	secure.	Tighten the screws of the
		plug. Switch the power
		switch to the position I (ON).

Malfunction	Possible Cause	Corrective
	Footswitch defective	Replace the Footswitch
No start signal	No communication.	Check the networking or call Henkel Service.
	Dispensing pressure not set correctly.	Adjust dispensing pressure setting.
	Pressure hose not properly connected.	Connect air pressure hose correctly.
	Luer-Lock tip cap not removed.	Replace Luer-Lock tip cap with a dispensing needle.
No product, too little or too much product	Dispensing needle clogged, too small or too large.	Replace dispensing needle.
much product	Dispensing valve not	Check the dispensing valve
	correctly connected or	(see instruction manual for
	defective.	dispensing valve).
	Product reservoir not switched on.	Check product reservoir.
	Product reservoir is empty.	Refill product reservoir (see Section 4.3).
	Product reservoir is empty.	Refill product reservoir (see section 4.3).
	Product hose not correctly connected.	Connect product hose correctly.
Air bubble in the product	Dispensing valve not correctly connected or defective.	Check the dispensing valve (see instruction manual for dispensing valve).
	Product reservoir pressure is	Lower pressure and
	too high.	increase dispensing time.
Pressurized air escapes	Reservoir Knob is not tightened.	Tighten the reservoir knob
between reservoir housing and reservoir lid.	O-ring leaks.	Grease or replace the O- ring.

8 Care and Maintenance

8.1 Care

-Occasionally the O-ring at the reservoir lid should be lubricated with the silicone grease. This will prolong the life of the O-ring.

Notice: Clean hands after application of grease to ensure surfaces to be bonded are clean.

-Clean the sensor surface as required.

-Both the bottle surface and the sensor surface must be free of condensed moisture!

8.2 Cleaning

- -Prior to extended idle times or when changing of the product type, clean the product hose and the dispensing valve.
- -Loosen reservoir locking knobs (7) and remove the reservoir lid (8).
- -Clean product residue from the outside of the feedline hose.
- -Remove the product bottle and insert a container with approx. 0.5 liter of cleaning agent.
- -Put on the reservoir lid (8) and uniformly tighten the reservoir locking knobs (7).
- -Operate the dispenser continuously until dry air streams out of the dispensing valve (see operating instructions for the dispensing valve).

-Remove the empty cleaning agent container.

8.3 Maintenance

-Check the reservoir knobs and the product feed line on the regular basis. If there is any sign of cracks, replace them!

-Clean, dry, filtered air must be used. If it is not, the solenoids on the controller will be fouled over time.

Notice: If the required air quality is not achieved, install a Loctite[®] filter regulator. In the US order a 5 μm filter using Part Number 478603. In Europe or Asia, order a 10 μm filter using Part Number 88649. The unit requires no special care and maintenance.

9 Accessories and Spare Parts

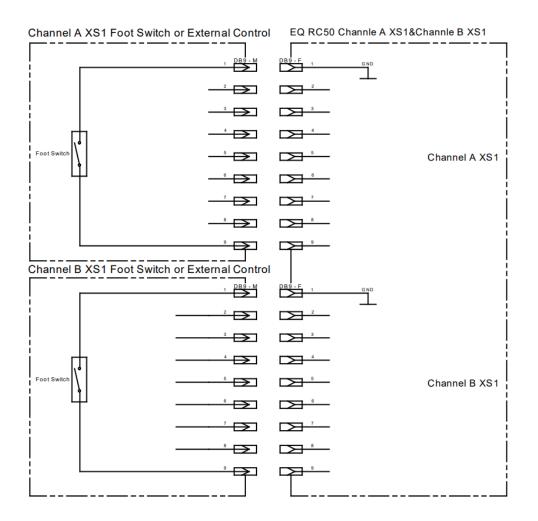
Item	Description	IDH#		
Spare F	Parts			
1	Reservoir/feedline Tank Fitting, ¼ inch NPT x ¼ inch Tubing	360636		
2	Footswitch	88653		
3	¼ inch O.D. Black PE Teflon Lined feedline Tubing (10mtr/33ft length)	142646		
4	Reservoir Lid O-ring	478505		
5	Pressure Safety Relief Valve	360462		
6	Anti-Bubbler Kit, 2 Adapters & 2 Sleeves	478569		
7	Silicone Grease, 6 Gram Tube	88722		
Access	Accessories			
1	Loctite Air Filter, Regulator, Gauge (Mechanical version) - US	478603		
	Loctite Air Filter, Regulator, Gauge (Mechanical version) – EU/Asia	88649		

10 Diagrams

XS1: Start

⚠ Warning!

Never connect external voltage on pin1 or pin9! Permanent board damage will result.



XS9: PLC Interface

P Connector E	xternal Control	EQ RC50 XS9 PLO	C Interface
DC 24D	24VDC.0.3A 1 DB25 - M	DB25 - F 1 24VDC.03A	DC 24D
(DO) PER-ENA	Output 24V DC, 0.1A 2	2	(DO) PER-ENA
(DO) PER-ALM	Output 24VDC,0.1A 3	3	(DO) PER-ALM
(DO) CH1-DISP	Output 24VDC,0.1A 4		(DO) CH1-DISP
(DO) CH2-DISP	Output 24V DC,0.1A 5	· · · · · · · · · · · · · · · · · · ·	(DO) CH2-DISP XS9
(DO) CAR-LOW	Output 24V DC, 0.1A 6	6	(DO) CAR-LOW
(DO) SYS-RUN	Output 24V DC, 0.1A 7	7	(DO) SYS-RUN
оитсом	- (OUT COM
	-*	· · · ·	
		12	
GND		13	GND
		14	
		15	
		16	
	17	17	
IN COM	18	18	IN COM
(DI) CH1 DISP		19	(DI) CH1 DISP
(DI) CH2 DISP		20	(DI) CH2 DISP
(DI) CH1 PRG	• • • • • • • • • • • • • • • • • • •	21	(DI) CH1 PRG
(DI) CH2 PRG	• • • • • • • • • • • • • • • • • • •	22	(DI) CH2 PRG
(DI) PRE ENA		23	(DI) PRE ENA
(DI) RUN ENA	hput 24VDC,0.1A 24	24	(DI) RUN ENA
GND	GND 25	25	GND

N Connector E	xternal Control	EQ RC50 XS9 PL	C Interface
DC 24D	24VDC,03A 1 DB25 - M	DB25-F 1 24VDC.0.3A	DC 24D
(DO) PER-ENA		2	(DO) PER-ENA
(DO) PER-ALM		3	(DO) PER-ALM
(DO) CH1-DISP		4	(DO) CH1-DISP
(DO) CH2-DISP			(DO) CH2-DISP XS9
(DO) CAR-LOW		6	(DO) CAR-LOW
(DO) SYS-RUN	Output 24VDC,0.1A 7	7	(DO) SYS-RUN
оит сом	* 🗲		OUT COM
	<u> </u>		
	-10		
GND	GND 13	13	GND
		14	
		15	
		16	
	17	17	
IN COM	18	18	IN COM
(DI) CH1 DISP		19	(DI) CH1 DISP
(DI) CH2 DISP		20	(DI) CH2 DISP
(DI) CH1 PRG	• • • • • • • • • • • • • • • • • • •	21	(DI) CH1 PRG
(DI) CH2 PRG	• • • • • • • • • • • • • • • • • • •	22	(DI) CH2 PRG
(DI) PRE ENA		23	(DI) PRE ENA
(DI) RUN ENA		24	(DI) RUN ENA
GND	G ND 25	25	GND

11 Warranty

Henkel expressly warrants that all products referred to in this Instruction Manual for Loctite[®] EQ RC50 Integrated Dispenser I-4.0 (hereafter called "Products") shall be free from defects in materials and workmanship. Liability for Henkel shall be limited, as its option, to replacing those Products which are shown to be defective in either materials or workmanship or to credit the purchaser the amount of the purchase price thereof (plus freight and insurance charges paid therefor by the user). The purchaser's sole and exclusive remedy for breach of warranty shall be such replacement or credit.

A claim of defect in materials or workmanship in any Products shall be allowed only when it is submitted in writing within one month after discovery of the defect or after the time the defect should reasonably have been discovered and in any event, within (12) months after the delivery of the Products to the purchaser. This warranty does not apply to perishable items, such as fuses, filters, lights, etc.. No such claim shall be allowed in respect of products which have been neglected or improperly stored, transported, handled, installed, connected, operated, used or maintained. In the event of unauthorized modification of the Products including, where products, parts or attachments for use in connection with the Products are available from Henkel, the use of products, parts or attachments which are not manufactured by Henkel, no claim shall be allowed.

No Products shall be returned to Henkel for any reason without prior written approval from Henkel. Products shall be returned freight prepaid, in accordance with instructions from Henkel.

NO WARRANTY IS EXTENDED TO ANY EQUIPMENT WHICH HAS BEEN ALTERED, MISUSED, NEGLECTED, OR DAMAGED BY ACCIDENT.

EXCEPT FOR THE EXPRESS WARRANTY CONTAINED IN THIS SECTION, HENKEL MAKES NO WARRANTY OF ANY KIND WHATSOEVER, EXPRESS OR IMPLIED, WITH RESPECT TO THE PRODUCTS.

ALL WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, AND OTHER WARRANTIES OF WHATEVER KIND (INCLUDING AGAINST PATENT OR TRADEMARK INFRINGEMENT) ARE HEREBY DISCLAIMED BY HENKEL AND WAIVED BY THE PURCHASER. THIS SECTION SETS FORTH EXCLUSIVELY ALL OF LIABILITY FOR HENKEL TO THE PURCHASER IN CONTRACT, IN TORT OR OTHERWISE IN THE EVENT OF DEFECTIVE PRODUCTS.

WITHOUT LIMITATION OF THE FOREGOING, TO THE FULLEST EXTENT POSSIBLE UNDER APPLICABLE LAWS, HENKEL EXPRESSLY DISCLAIMS ANY LIABILITY WHATSOEVER FOR ANY DAMAGES INCURRED DIRECTLY OR INDIRECTLY IN CONNECTION WITH THE SALE OR USE OF, OR OTHERWISE IN CONNECTION WITH, THE PRODUCTS, INCLUDING, WITHOUT LIMITATION, LOSS OF PROFITS AND SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, WHETHER CAUSED BY NEGLIGENCE FROM HENKEL OR OTHERWISE.

12 Declaration of Conformity

	Cortificato di ocomo		
Statutor to	Certificato di esame		
ECM	EU-type examination	n certificate	
	n. ECM RED 2021-0	QC15 rev. 0	
a spear of	Rilasciato i sensi della direttiva 2014/53, Issued according to 2014/53/EU directi	· · · · · · · · · · · · · · · · · · ·	
Fabbricante			
Manufacturer Ragione Sociale	Henkel (China) Co., Ltd.		
Compony Name Indirizzo Address	No. 189 Guoyuan Highway, Zhuqia	o Town, Pudong New Dist	rict, Shanghai, China
Apparecchiatura radio	EQ RCS0 Integrated Dispenser I-4	0	
Radio equipment Marchio commerciale	LOCTITE	Tipo di trasmissione	WIFI 2.4GHZ, / Bluetooth
Brand name	ALL LAC	Types of transmission	version 2.0 Single Mode
del 16 aprile 2014, die documentazione tecnica r L'esame della document l'apparecchiatura radio è e armonizzate e specifichi	VS3/UE del Parlamento Europeo e del Consiglio chiara che il fabbrigante ha presentato la olativa all'apparecchiatura radio su descritta. azione permette ad ECM di dichiarare che conforme alle prescrizioni delle seguenti norme e tocniche che conferiscono presunzione di enziali della direttiva 2014/53/UE.	applicant that presented to the radio equipment referre The documentation exam equipment complies with harmonized standard and	allows ECM to declare that the radi the provision given the followin technical specification which give th to the requested essential requirement
Subject	Name	Version/Issue	Test Report
Safety RED, Article 3.1a	EN 62368-1:2014+A11:2017	1	B-5210838455
Health	EN IEC 62311:2020	1	B-S210838453
RED, Article 3.1a EMC	EN 55032-2015/A11-2020,	1	B-E210838456
RED, Article 3.1b	EN 55035-2017/A11-2020; EN IEC 61000-3-2:2019		
Radio Spectrum	EN 61000-3-3:2013/A1:2019 ETSI EN 300 328	V2.2.2 (2019-07)	B-E210838454, B-E210838462
RED, Article 3.2	ETSI EN 301 489-1 ETSI EN 301 489-1	V2.2.3 (2019-11) V3.2.4 (2020-09)	B-E210838456
Nel caso in cui vengano : (anche se minime), il pres	apportate modifiche all'apparecchiatura radio ente certificato decade.	Where any modifications a minimal), this certificate vol	
Valsamoggia (BO) Data - Date 08/10	/2021	A STREET STREET	irma autorizzata ithorized signature
	Timbro		AQ-han
Scadenza - Expiry date	07/10/2026	(Amanda	Payne - Deputy Manager)
	o sul rapporto di valutazione confidenziale nº R the confidential evoluation report no. RVC REL		
	For the second second		
	Ente Certificazior		
	Via Ca' Bella 243 – Loc. Castello di Se ∰ +39 0516705141		



Allegato al Certificato di esame UE del tipo EU-type examination certificate n. ECM RED 2021-QC15 rev. 0

Rilasciato i sensi della direttiva 2014/53/UE - Allegato III Mod. B

Issued according to 2014/53/EU directive - Annex III mod. B

CARATTERISTICHE TECNICHE TECHNICAL CHARACTERISTICS

Software version	E3
Type of equipment and/or classification	2814024
Description	EQ RC50 Integrated Dispenser I-4.0
Power supply	AC 110-230V,50/60Hz
Radio Interface	UART-Wifi
Supply voltage	DC 12/24V
Frequency range	2402MHz-2480MHz
Harmonized frequency (Y/N)	Y
Output power	40W
Supply voltage	AC 110-230V by charger
Antenna type	Internal Antenna

Storia del certificato -Certificate history	
1. This is the original certificate	
2	

Questo certificato, incluso l'allegato, può essere riprodotto solo integralmente e senza alcuna variazione. This certificate, annex included, can only be reproduced in its entirety and without any change.

FINE DEL CERTIFICATO - END OF CERTIFICATE

Ente Certificazione Macchine srl

Via Ca' Bella 243 - Loc. Castello di Serravalle - 40053 Valsamoggia (BO) 🕾 +39 0516705141 🚔 +39 0516705156 🖂 ecm@entecerma.it www.entecerma.it

PAG. 2 012

RED01_04 RED NOV. 1 DOL 01/07/2019

Verification of Compliance

Certificate Number: B-R210838452 RoHS Directive 2011/65/EU Annex II amending Annex (EU)2015/863 and amending Annex (EU)2017/2102



Holder	Henkel (China) Co.,Ltd.
Address:	No.189 Guoyuan Highway,Zhuqiao Town,Pudong New District,Shanghai,China
Manufacturer:	Same As Holder

Product..... EQ RC50 Integrated Dispenser I-4.0

Trademark.....: LOCTITE

Model No..... 2814024

The submitted products have been tested by us and found to be in compliance with the listed European Directives.

EN 50581:2012

The test results apply only to the particular sample tested and to the specific tests carried out. Technical Report and documentation are at the Holder's disposal.

This certificate applies specifically to the sample investigated in our test reference number only.

Certification Manager Date: Sep.23,2021





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Beide (Shenzhen) Product Service Limited

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