

EU DECLARATION OF CONFORMITY

We **Yokogawa Test & Measurement Corporation**
4-9-8 Myojin-cho, Hachioji-shi, Tokyo 192-8566, Japan

declare under our sole responsibility that the Products identified as:

Model code	Model name
DL850E	ScopeCorder
DL850EV	ScopeCorder (Vehicle Edition)

further specified with model suffix and option codes:

as listed in User's Manual: IM DL850E-03EN (Ed.13)

are in compliance with the EU law and legislation providing for the CE-marking, as listed in Appendix 1.

Information relevant to the conformity and identification of these Products is provided in Appendix 2 and Appendix 3.

Subject products are:

- Produced according to appropriate quality control procedure.
- Provided with the CE-marking as from **2015**.

Signature:

(Manufacturer)

Tokyo, 24 June 2021



Hisashi Iwase
General Manager
Development & Engineering Dept. 1
Technical Development Division
Yokogawa Test & Measurement Corporation

(Authorized Representative in the EEA)

Amersfoort, 7/14/2021

DocuSigned by:


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Andreas Helget
President
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Appendix 1

The products are built in compliance with requirements of the following EU Directives and Standards:

Without Option /C30:

EU Directives and Standards	
EU Directives	Standards
2014/30/EU (EMC)	EN 61326-1:2013 Class A Table 2 Electrical equipment for measurement, control and laboratory use – EMC requirements- Part 1: General requirements EN 61326-2-1:2013 Electrical equipment for measurement, control and laboratory use – EMC requirements - Part 2-1: Particular requirements – Test configurations, operational conditions and performance criteria for sensitive test and measurement equipment for EMC unprotected applications EN 55011:2016+A1:2017 Class A Group1 Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement EN 61000-3-2:2014 Electromagnetic compatibility (EMC) -- Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤ 16 A per phase) EN 61000-3-3:2013 Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase and not subject to conditional connection
2014/35/EU (LVD)	EN 61010-1:2010 Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements EN 61010-2-030:2010 Safety requirements for electrical equipment for measurement, control and laboratory use – Part 2-030: Particular requirements for testing and measuring circuits EN 61010-031:2015 *1 Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 031: Safety requirements for hand-held probe assemblies for electrical measurement and test EN 60825-1:2014 *2 Safety of laser products -- Part 1: Equipment classification and requirements
2011/65/EU *3 (RoHS)	EN IEC 63000:2018 Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

*1: This standard is applicable to 701901, 701904, 758933, 758922, 758929, 758921, 701954, 701906, 701948, B9852MM, B9852MN and 758917.

*2: This standard is applicable to 720211 only.

*3: Including the Commission Delegated Directive (EU) 2015/863 that defines the ten (10) restricted substances and amends Annex II to Directive 2011/65/EU.

With Option /C30:

EU Directives and Standards	
EU Directives	Standards
2014/53/EU (RE)	HEALTH & SAFETY (Art. 3.1 (a)): EN 61010-1:2010 Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 1: General requirements EN 61010-2-030:2010 Safety requirements for electrical equipment for measurement, control, and laboratory use – Part 2-030: Particular requirements for testing and measuring circuits EN 61010-031:2015 ^{*1} Safety requirements for electrical equipment for measurement, control and laboratory use – Part 031: Safety requirements for hand-held probe assemblies for electrical measurement and test EN 60825-1:2014 ^{*2} Safety of laser products -- Part 1: Equipment classification and requirements EMC (Art. 3.1 (b)): EN 301 489-1 V.2.1.1 Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements EN 301 489-3 V.2.1.1 Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 40GHz EN 61326-1:2013 Class A Table 2 Electrical equipment for measurement, control and laboratory use – EMC requirements- Part 1: General requirements EN 61326-2-1:2013 Electrical equipment for measurement, control and laboratory use – EMC requirements - Part 2-1: Particular requirements – Test configurations, operational conditions and performance criteria for sensitive test and measurement equipment for EMC unprotected applications EN 55011: 2016+A1: 2017 Class A Group 1 Industrial, scientific and medical equipment – Radio-frequency disturbance characteristics – Limits and methods of measurement EN 61000-3-2:2014 Electromagnetic compatibility (EMC) -- Part 3-2: Limits - Limits for harmonic current emissions (equipment input current <= 16 A per phase) EN 61000-3-3:2013 Electromagnetic compatibility (EMC) - Part 3-3: Limits - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current <= 16 A per phase and not subject to conditional connection SPECTRUM (Art. 3.2): EN 303 413 V.1.1.1 Satellite Earth Stations and Systems (SES); Global Navigation Satellite System (GNSS) receivers; Radio equipment operating in the 1164 MHz to 1300 MHz and 1559 MHz to 1610 MHz frequency bands; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU
	Software Name: DL850E Master Firmware Software Ver.: Ver.4.20 or later (No change of the performance of radio /EMC/Safety by the version update.)
2011/65/EU ^{*3} (RoHS)	EN IEC 63000:2018 Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances

***1:** This standard is applicable to 701901, 701904, 758933, 758922, 758929, 758921, 701954, 701906, 701948, B9852MM, B9852MN and 758917.

***2:** This standard is applicable to 720211 only.

***3:** Including the Commission Delegated Directive (EU) 2015/863 that defines the ten (10) restricted substances and amends Annex II to Directive 2011/65/EU.

Appendix 2

The accessories in the list below have CE-marking significant compliance relevance, as indicated per EU-Directive; their application and use – as described in **IM DL850E-03EN** is supported by this EU Declaration of Conformity. The full list of accessories for this product can be found in **IM DL850E-03EN**.

Indications: 'C' = The accessory is compliant with the Directive as a part of the product.

'R' = The accessory is relevant to the conformity of the product as a part of the product.

'NS' = The accessory does not support the Directive.

'NR' = The accessory is not relevant to the conformity of the product.

Model/Part No.	Model/Parts Name	Product-model in which the model/part is used		Relevant EU Directives			
		DL850E	DL850EV	EMC	LVD	RED *1	RoHS
A1009WD	Power cord (VDE standard)	✓	✓	NR	C	NR	C
A1054WD	Power cord (BS standard)	✓	✓	NR	C	NR	C
701901	1:1 BNC safety adapter lead	✓	✓	NR	C	NR	C
758933	Measurement lead	✓	✓	NR	C	NR	C
701954	Alligator clip (dolphin type)	✓	✓	NR	C	NR	C
758922	Alligator clip adapter	✓	✓	NR	C	NR	C
758929	Alligator clip adapter	✓	✓	NR	C	NR	C
758921	Fork terminal adapter	✓	✓	NR	C	NR	C
366926	Cable	✓	✓	NR	NR	NR	C
366961	Banana-alligator clip cable	✓	✓	NR	NR	NR	C
700986	High-speed logic probe	✓	✓	C	NR	C	C
700987	Isolated logic probe	✓	✓	C	C	C	C
702911	1 m logic probe	✓	✓	C	NR	C	C
702912	3 m logic probe	✓	✓	C	NR	C	C
758917	Isolated logic measurement lead	✓	✓	NR	C	NR	C
720911	External I/O cable	✓	✓	NR	NR	NR	C
701902	1 m safety BNC cable	✓	✓	NR	C	NR	C
701903	2 m safety BNC cable	✓	✓	NR	C	NR	C
758924	Safety BNC-to-banana adapter	✓	✓	NR	C	NR	C

(Continued on the following page)

Model/Part No.	Model/Parts Name	Product-model in which the model/part is used		Relevant EU Directives			
		DL850E	DL850EV	EMC	LVD	RED *1	RoHS
438920	Shunt resistor	✓	✓	NR	NR	NR	C
438921	Shunt resistor	✓	✓	NR	NR	NR	C
438922	Shunt resistor	✓	✓	NR	NR	NR	C
701953	16-CH scanner box	✓	✓	C	C	C	C
701955	Bridgehead	✓	✓	C	NR	C	C
701956	Bridgehead	✓	✓	C	NR	C	C
701957	Bridgehead	✓	✓	C	NR	C	C
701958	Bridgehead	✓	✓	C	NR	C	C
701948	Plug-on clip	✓	✓	NR	C	NR	C
701906	Long test clip	✓	✓	NR	C	NR	C
701970	DC power cord (Cigarette lighter plug type)	-	✓	NR	C	NR	C
701971	DC power cord (Alligator clip type)	-	✓	NR	C	NR	C
A1058ER *1	GPS antenna	✓	✓	C	NR	C	C
B9852MN	Safety mini-clip (hook type)	✓	✓	NR	C	NR	C
B9852MM	Safety mini-clip (hook type)	✓	✓	NR	C	NR	C
701904	1:1 safety adapter lead	✓	✓	NR	C	NR	C
720220	16-CH Voltage Input Module	✓	✓	C	C	C	C
720230	Logic Input Module	✓	✓	C	C	C	C
720211	High-Speed 100 MS/s 12-Bit Isolation Module	✓	✓	C	C	C	C
701251	High-Speed High-Resolution 1 MS/s, 16-Bit Isolation Module	✓	✓	C	C	C	C
701255	High-Speed 10 MS/s 12-Bit Non-Isolation Module	✓	✓	C	C	C	C
701261	Universal (Voltage/Temp.) Module	✓	✓	C	C	C	C
701262	Universal (Voltage/Temp.) Module (with AAF)	✓	✓	C	C	C	C

(Continued on the following page)

Model/Part No.	Model/Parts Name	Product-model in which the model/part is used		Relevant EU Directives			
		DL850E	DL850EV	EMC	LVD	RED ^{*1}	RoHS
701265	Temperature, High Precision Voltage Isolation Module	✓	✓	C	C	C	C
701270	Strain Module (NDIS)	✓	✓	C	C	C	C
701271	Strain Module (DSUB, Shunt-Cal)	✓	✓	C	C	C	C
701275	Acceleration/Voltage Module (with AAF)	✓	✓	C	C	C	C
720221	16-CH Temperature/Voltage Input Module	✓	✓	C	C	C	C
720241	CAN & LIN Bus Monitor Module	-	✓	C	C	C	C
720243	SENT Monitor Module	-	✓	C	C	C	C
720254	4-CH 1 MS/s 16-Bit Isolation Module	✓	✓	C	C	C	C
720250	High-Speed 10 MS/s 12-Bit Isolation Module	✓	✓	C	C	C	C
720266	Temperature, High Precision Voltage Isolation Module	✓	✓	C	C	C	C
720268	High-Voltage 1 MS/s 16-Bit Isolation Module (with RMS)	✓	✓	C	C	C	C
720281	Frequency Module	✓	✓	C	C	C	C
720242	CAN/CAN FD Monitor Module	-	✓	C	C	C	C
IM DL850E-03EN	User's Manual, Getting Start Guide	✓	✓	R	R	R	R
A1643WL ^{*2}	Connection cable	✓	✓	NR	NR	NR	C
A1675WL ^{*2}	Connection cable	✓	✓	NR	NR	NR	C
A1676WL ^{*2}	Connection cable	✓	✓	NR	NR	NR	C

***1:** Only the product with /C30 falls in to the scope of RE Directive.

***2:** These three parts are the product-specific accessories that are basically shipped with the product when the option code '/Z' which means a customized option for a particular customer is added to the model code for this product. An additional document, **IM DL850E-S2EN**, is prepared and complements the standard manuals with regard to using those parts.

Appendix 3

External View of DL850E

YOKOGAWA ◆ DL850E

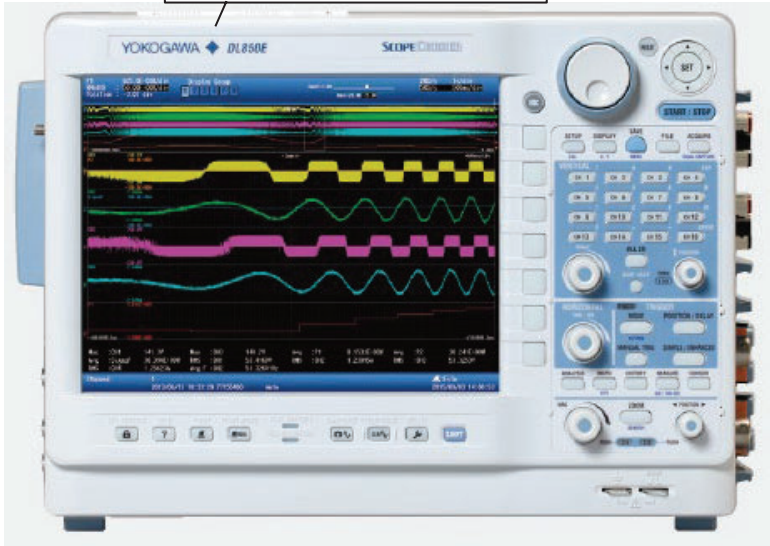
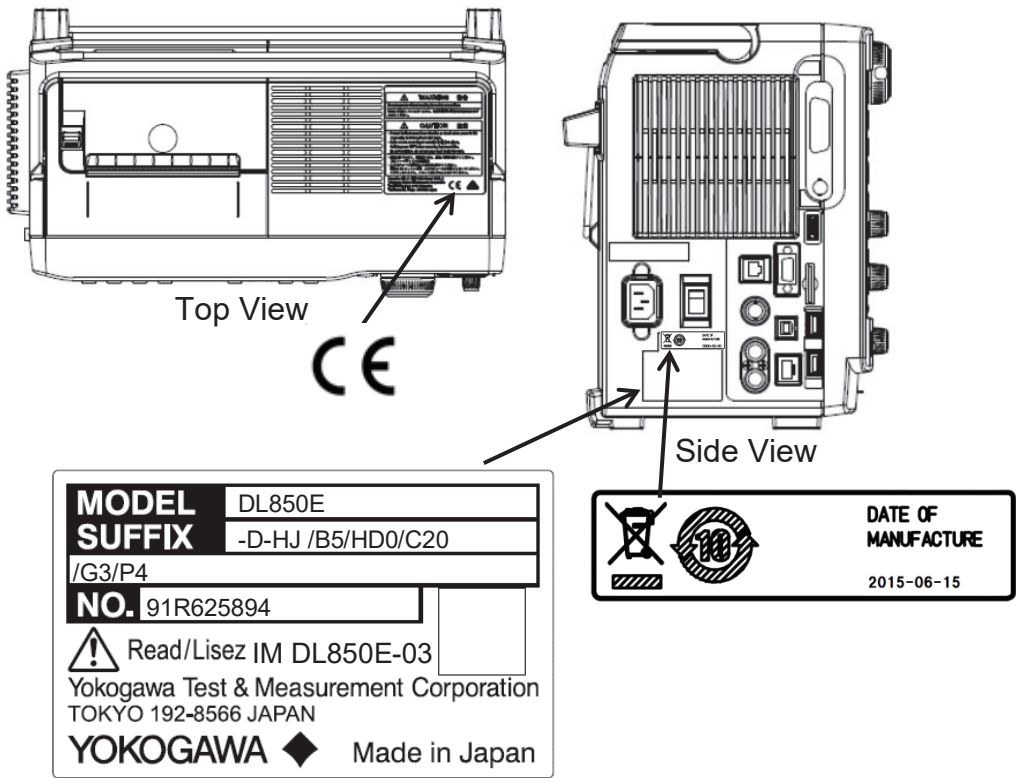


Image of Nameplate for DL850E
(Typical example; details may differ)



External View of DL850EV

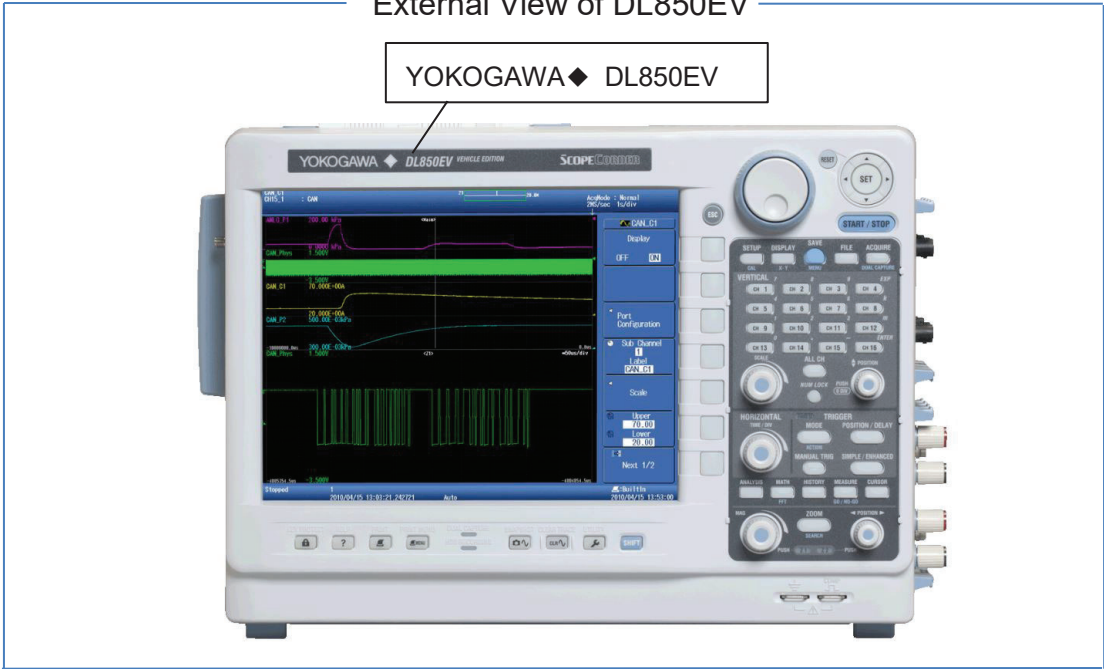
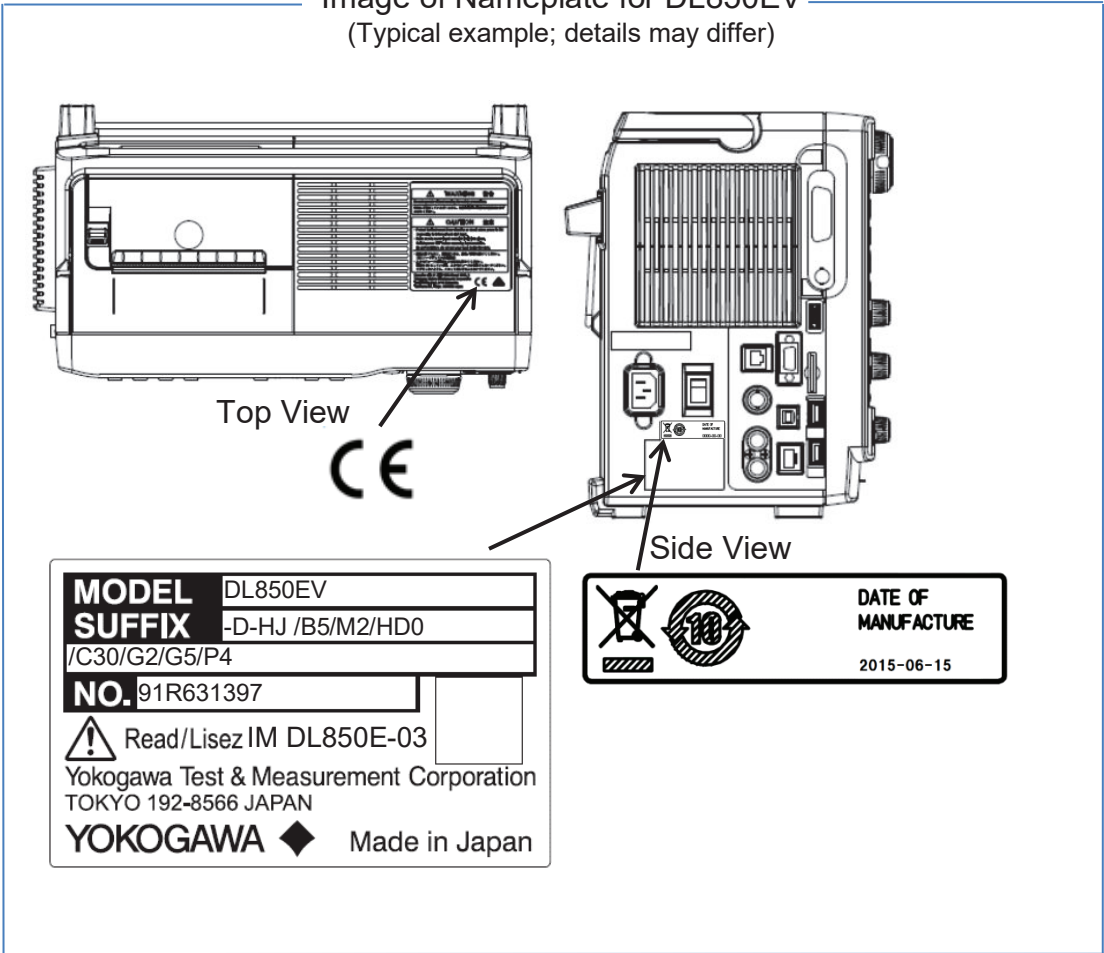


Image of Nameplate for DL850EV
(Typical example; details may differ)



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