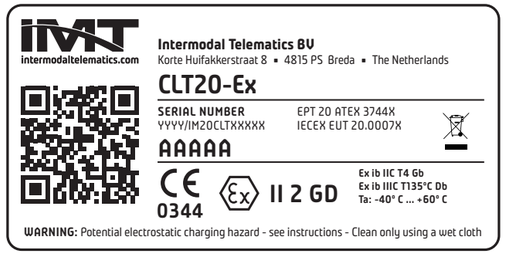
1 SUMMARY OF ATEX AND IECEX MARKINGS



YYYY is the year of production.
XXXXX is the serial number.
AAAAA is the device code.

DESIGNATION ACCORDING TO DIRECTIVE 2014/34/EU:

CE 0344 Notified body performing the QA surveillance
Ex II Equipment Group II (Surface Industries)
2 Equipment Category 2
(Equipment with a high level of protection suitable for in Zone 1 areas)
GD For explosive mixtures of gasses, mists, vapors or dust in air

Ex marking:

Ex Electrical apparatus with explosion protection acc. EN-IEC standards
ib Type of protection (Intrinsic Safety)
IIC Gas group
T4 Temperature class
Gb IEC equipment protection level

Ex marking:

Ex Electrical apparatus with explosion protection acc. EN-IEC standards
ib Type of protection (Intrinsic Safety)
IIIC Dust group
T135°C Temperature class
Db IEC equipment protection level

EU-Type Examination Certificate Number with X marking:	ATEX EPT 20 ATEX 3744X
■ **Warning:** Potential Electrostatic Charging Hazard	IECEx EUT 20.0007X
■ Clean only using a damp cloth	
European Standards applied for explosion protection:	EN IEC 60079-0:2018 EN60079-11:2012
International Standards applied for explosion protection:	IEC 60079-0:2017 IEC 60079-11:2011
Ambient temperature:	-40°C < Ta < +60°C

2 INSTALLATION

2.1 GENERAL

The CLT20-Ex is a Communications and Location Terminal consisting of a battery powered GSM/HSPA/LTE Cat M1/NB1 modem and GPS receiver with proprietary communication for industrial applications. The battery is factory mounted and may not be replaced by the user.

2.2 INSTALLATION

The CLT20-Ex is only intended for fixed installations. Always follow local regulations and IEC60079-14 (Explosive atmospheres - Part 14: Electrical installations design, selection and erection) or other local codes of practice.

2.2.1 ELECTROSTATIC DISCHARGE

The CLT20-Ex has a non-metallic surface that exceeds 10.000mm2. Extensive testing has proven this to be safe when there is no risk of electrostatic charge build-up during the intended use.
The following warning needs to be observed:

⚠ **Warning:** Potential Electrostatic Charging Hazard - Clean only using a damp cloth.

2.3 ELECTRICAL CONNECTION

There are no electrical connections to be made by the user.

3 INSPECTION, MAINTENANCE AND REPAIR

3.1 INSPECTION AND MAINTENANCE

The requirements as stated in EN-IEC 60079-17 or other codes of practice valid at the place of installation apply.

If the CLT20-Ex enclosure appears cracked, dented, broken, very dirty or otherwise no longer in good condition, it must be repaired or cleaned immediately.

As the devices internal circuits are always on, in case of damage it must be removed from the hazardous area immediately and may only be restored after the repair has been carried out and approved.

Cycle of maintenance depends on the specific conditions of use. As a general guideline for light use a 12 month interval is recommended.

3.2 REPAIR

Repair to the CLT20-Ex may only be done using original parts. It shall be carried out by qualified skilled workers who have been trained in accordance with EN-IEC 60079-19 or other codes of practice valid at the place of installation. Repairing with non original parts may lead to personal injury and/or damage to the equipment.

If non-original parts are used, or repair has been carried out in an incompetent manner, the warranties concerning explosion safety no longer apply. Therefore it is advised to return the equipment to the manufacturer in cases where a repair is required.

3.3 SPECIAL CONDITIONS FOR SAFE USE

⚠ **Warning:** Potential Electrostatic Charging Hazard - Clean only using a damp cloth. See section 2 Electrostatic discharge

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Version CLT20Ex-18.06.2024 ■ Specifications are subject to change without notice

intermodaltelematics.com

Telematics Taking Over

CLT20-Ex Installation manual

4 simple steps

Version 1.2

READ BEFORE INSTALLING

INSTALLATION PROCEDURE ON TANK CONTAINER (CORNER)

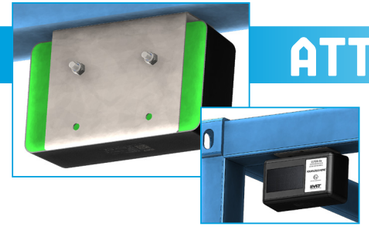
1 CHECK

Check if an IMT L-bracket is fitted to the tank container.

2 WELD

Weld the bracket in the top left triangle at the back of the tank container.

3 ATTACH



Attach the CLT20-Ex using self- locking nuts.

4 SCAN

Scan the QR CODE on the CLT20-Ex and follow the instructions to register the unit.

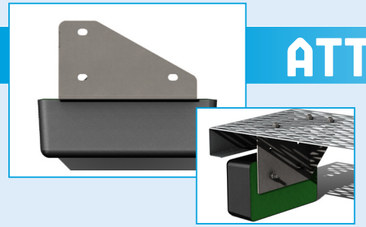
MAKE SURE AN UNOBSTRUCTED EXPOSURE OF THE SOLAR PANEL TO THE SUN.

INSTALLATION PROCEDURE ON TANK CONTAINER (WALKWAY)

1 CHECK

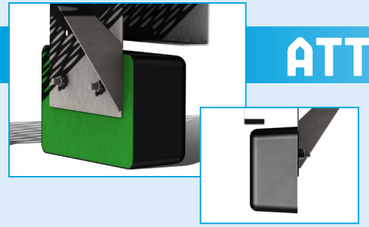
Check if an IMT L-bracket is fitted to the tank container.

2 ATTACH



Attach the bracket to the walkway with bolts and self-locking nuts or use a thread-lock. Utilise all three holes in the L-bracket.

3 ATTACH



Attach the CLT20-Ex using self- locking nuts.

4 SCAN

Scan the QR CODE on the CLT20-Ex and follow the instructions to register the unit.

MAKE SURE AN UNOBSTRUCTED EXPOSURE OF THE SOLAR PANEL TO THE SUN.

INSTALLATION PROCEDURE ON RAIL WAGON

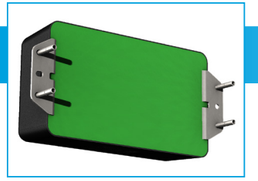
1 CHECK

Check if an IMT bracket is fitted to the wagon.

2 DRILL

Drill holes to the wagon according to the drawing.

3 RIVET



Rivet the CLT20-Ex in place with the defined rivets. Pay attention to the correct rivet length for the wagon wall thickness.

4 SCAN

Scan the QR CODE on the CLT20-Ex and follow the instructions to register the unit.

MAKE SURE AN UNOBSTRUCTED EXPOSURE OF THE SOLAR PANEL TO THE SUN.