

EARTHING CLAMP

For the coded earthing of mobile tanks

ECS-RF-CODE

To prevent any tampering or bypassing of the earthing system, Logic has patented a mechanically coded earthing system for mobile tanks.

The **CLP-CODE** patented clamp allows for connection with a dedicated connector that is installed directly on the mobile tank.

Thanks to the LEDs and the **SIL2** electronics, the system can check that the earth connection respects the maximum limit of **10 Ω**.

The mechanical connection makes the system strong and stable, ensuring connection even in work conditions with strong vibrations.



TECHNICAL SPECIFICATIONS

Control unit installation area	ECS-RF-DIN: electronics in Safe Area ECS-RF: ATEX Zone 1/21
Temperature range	Control unit in safe area: $-20\text{ °C} \leq T_{\text{amb}} \leq +70\text{ °C}$ Control unit ATEX Zone 1/21: $-20\text{ °C} \leq T_{\text{amb}} \leq +40\text{ °C}$
Standard cable	5 m 6-wire coiled cable for Ex i applications
Power supply	AC version (ECS-RF-DIN): 230 Vac, $U_m=253\text{ V}_{\text{rms}}$ DC version (ECS-RF-DIN-DC): $10\div30\text{ V}_{\text{dc}}$, $U_m=30\text{ V}_{\text{dc}} / 253\text{ V}_{\text{dc}}$
Control unit dimensions (L x H x D)	Control unit for safe area (ECS-RF-DIN): 162 x 90 x 65 mm Control unit for ATEX Zone 1/21 (ECS-RF): 195 x 195 x 148 mm

CLP-CODE CLAMP SPECIFICATIONS



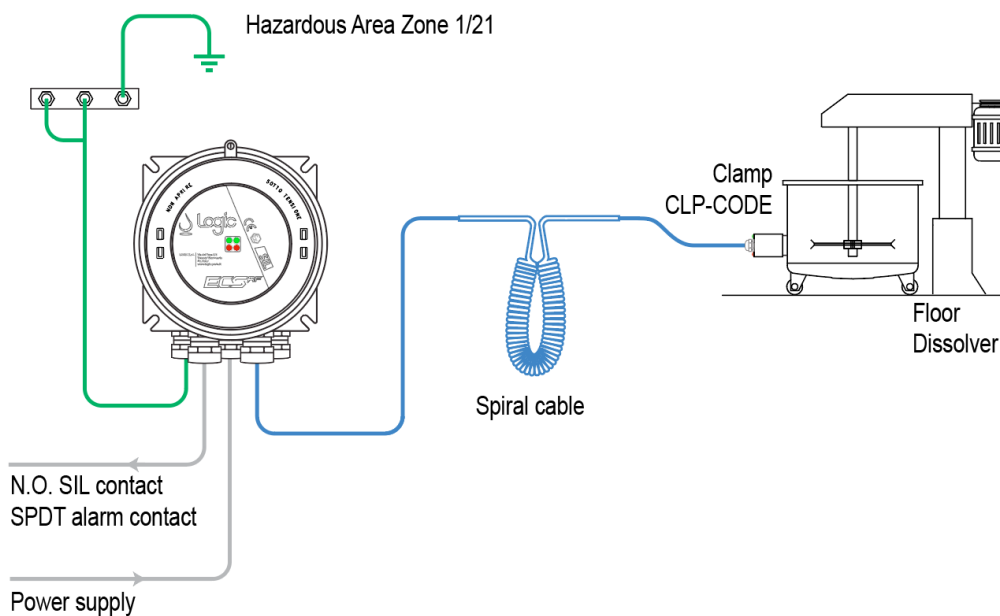
Clamp composition	AISI 304, double tips in alloy steel with carbonitriding treatment
Status display	Via green and red LED on the clamp
Clamp connection area	ATEX Zone 0/20
Operating temperature	$-20\text{ °C} \leq T_{\text{amb}} \leq +50\text{ °C}$
Dimensions (L x H x D)	83 x 64 mm (L x Ø)

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Control unit in ATEX Zone 1/21 with coiled cable

1. Electronic control unit in ATEX hazardous area 1/21
2. Coiled connection cable from the control unit to the clamp
3. Coded connection clamp with CLP-CODE type LED on board



Control unit in Safe Area with coiled cable

1. Electronic control unit installed in an electrical panel in a safe area
2. Coiled connection cable from the control unit to the clamp
3. Coded connection clamp with CLP-CODE type LED on board

