

Ground Clamps for active and passive grounding



In many industrial areas, relatively small containers require grounding time and time again, although companies shy away from investing in an active ground monitoring system. Unsuitable contact mechanisms such as welding tongs or clamps are used instead. These, however, are not capable of getting through the dirt and deposits on the containers caused by the operating conditions and cannot establish a reliable ground connection. These kinds of unsuitable ground contacts may cause the user to believe that the ground connection is providing protection when it actually is not.



The active grounding clamps are used together with the TERRACONTROL TUE30 ground monitoring system to establish and monitor grounding connections. These devices are used when decanting or filling potentially explosive substances. Existing electrostatic charges are discharged effectively in a controlled manner. The active grounding clamps TERRA-C/Sxx, TERRA-C/Bxx, 70AK and 70HK feature extremely hard and sharp collet jaws. The jaws also feature a continuously high clamping force, ensuring a secure connection to the equipoten-tial bonding at all times. The standard version of the grounding clamps includes a cable with connected plug for an easy connection to the included grounding cable, spiral cable and rewinding cable reels.

GROUNDING

Extremely hard and sharp clamping jaws on the passive ground clamps TERRA-C/PO, 700K and 70PK provide a sure grip. The clamps feature sustained high clamping force to help with their grip, ensuring a solid connection to the potential equalization at all times.



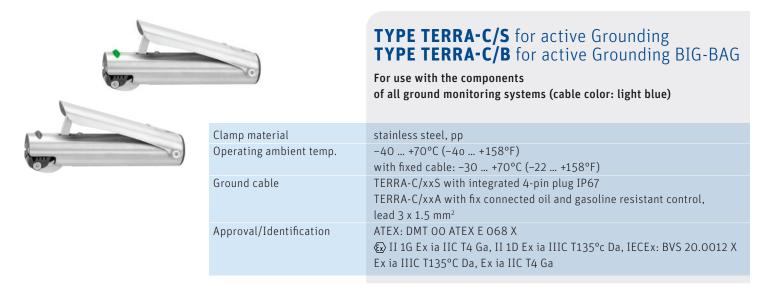
In addition, the **TERRA-C/POS and 70PK** ground clamps feature a cable end with an attached plug for easy connection to the also available passive grounding cables, spiral cables and cable rewinders.







Ground Clamps for active Grounding





TYPE 70AK for active Grounding

For use with the components of all ground monitoring systems (cable color: light blue)

Clamp material

Operating ambient temp.

-20 ... +70°C (-4 ... +158°F)

Ground cable

oil and gasoline resistant control lead, 3 x 1.5 mm²

connected 4-pin plug IP67

Approval/Identification

ATEX: DMT OO ATEX E 068 X

II 2D Ex ia IIIC T135°C Db, II 2G Ex ia IIC T6 Gb

IECEx: BVS 16.0016X, NEPSI: GYJ14.1367X

Ex ia IIIC T135°C Db, Ex ia IIC T6 Gb



TYPE 70HK for active Grounding BIG-BAG

For use with the components of all ground monitoring systems (cable color: light blue)w

Clamp material	galvanized sheet steel, plastic handle
Operating ambient temp.	-20 +70°C (-4 +158°F)
Ground cable	oil and gasoline resistant control lead, 3 x 1.5 mm ²
	connected 4-pin plug IP67
Approval/Identification	ATEX: DMT 00 ATEX E 068 X ☑ II 2D Ex ia IIIC T135°C Db, II 2G Ex ia IIC T6 Gb
	IECEx: BVS 16.0016, NEPSI: GYJ14.1367X
	Ex ia IIIC T135°C Db, Ex ia IIC T6 Gb





Ground Clamps for passive Grounding



TYP TERRA-C/POS

for passive Grounding
TYP TERRA-C/PO (B or R)

for passive Grounding

Clamp material

Operating ambient temp.

Ground cable

stainless steel, pp

-40 ... +70°C (-40 ... +158°F)

with fixed cable: -30 ... +70°C (-22 ... +158°F) TERRA-C/POS with integrated 4-pin plug IP67

TERRA-C/PO (B or R) with fix connected oil and gasoline resistant

control lead, 3 x 1.5 mm²

B= cable end with 4-pin plug IP67 R= cable end with ring tongue M10



TYPE 70PK

for passive Grounding

Clamp material

Operating ambient temp.

Ground cable

Approval/Identification

stainless steel

-20 ... +70°C (-4 ... +158°F)

oil and gasoline resistant control lead, 3 x 1.5 mm²

connected 4-pin plug IP67

ZELM 04 ATEX 0229



TYPE 700K

for passive Grounding

Clamp material	stainless steel
Operating ambient temp.	-20 +70°C (-4 +158°F)
Without cable	min. conductor cross section 4 mm²; max. 10 mm²l
Approval/Identification	ZELM 04 ATEX 0229