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ATEX / IECEx Multipoints temperature sensor for temperature monitoring in silos in hazardous areas (zone 20 and zone 20/21)

Resistance probes for silos may be anchored to the structure or to a concretescreed, as preferred.
Connection boxes allow interchangeability of the full silo measuring element
Measuring cable connection to ATEX / IECEX enclosure according to EN / IEC 60079-31
EN / IEC 60079-11.
Pt100 or Pt1000 sensors according to EN 60751, NTC or PTC resistors or digital measuring element guarantee high measurement accuracy and repeatability
Recommendation for measurement points: the points should not be more than 3M apart, in all directions.



Replaceable measurement cable

- Outer sheath: diameter 5,4 mm
- Multiconductors
- Colour identification of conductors
- Connecting cable C2

Upper anchorage

- Using a U bolt and support plate for silos with metal structures
- Probe head with a system for blocking the support cable
- Using a support plate with aluminium or stainless steel case with the probe head and its blocking system

Lower anchorage

- -Foot of probe, mechanical fuse holding hole, diameter 11 mm
- Tensile strength of the probe foot: 7kN maxi.
- Tensile strength on the terminal head: 33kN

Technical data

Suspension cable

- PEHD conduit :
  1. Surface resistance < 100 000 Ohm/cm (according to EN 60079-0 section 7.4.3)
  2. Ability for food contact: all the tested inertness criteria meet the requirement of the regulation or recommendation of the DGCCRF
  3. Applicable repository: regulation n.°10/2011 – UE regulation. N°1935/2004
  4. Test report LNE P175256

Connection

- Aluminium terminal head or stainless steel 316L
- ATEX/IECEx junction box equiped with certifiied connectors for execution 30,4, 40 and 5
- Connecting cable categorie C2

Utilisation

- Dust Zone 20, 20/21

Number of measuring point :

- Resistif sensor: 1 to 9 – from 1 to 18 with 1 common wire
- Digital sensor: 1 to 30

Approvals and approval marks

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Spécifications

Type of protection: protection by enclosure Ex" ta" or intrinsic safety Ex" ia"

Measuring insert

Resistif sensor **Pt100, Pt500, Pt1000 Ohm...:**
According to CEI or measuring insert with negative or positive temperature coefficient, NTC, PTC..

Digital sensor:

The use of digital sensors eliminates the influence of cable length on the measurement process.
They transmit the measured value via a communication protocol, which greatly simplifies the wiring
3 wires maximum, whatever the number of sensors.
It contains 3 terminals:

- a + terminal (3 to 5 Volts)
- a - terminal (GND)
- a communication bus terminal



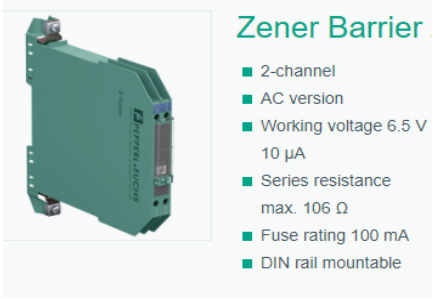
Optional equipment:

Zener barrier for digital sensor for type of protection Ex »ia » :

Part number version 150M: 00764524



Part number version 180M: 00783556



1-Wire transmitter -> Simple Modbus RTU (to be configured by the customer): 00750060



1-Wire transmitter -> Modbus RTU configured by Jumo (according to drawing and probe): 00750062



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Module 1 Adresse 10 - S1, S2, S3, S4, S5, S6

	SONDE 2		SONDE 3		SONDE 4		SONDE 5		SONDE 6	
Passerelle_P1_20230809_V1.utl	09/08/2023 15:19	Fichier UTL	9 Ko							
0	286E7FE80D000089	4	28668C1C0E00005B	9	283954E60D0000BF	13	282B55E70D0000C8	17	286481E80D000042	22
1	287B9AE60D000024	5	287786E80D000011	10	284367E60D000022	14	28A859E80D0000C0	18	287D01E80D000044	23
2	2885DBE70D0000EE	6	28D53EE70D0000C8	11	287716E70D00003C	15	28BCE7E70D000030	19	28A9DAE70D0000E8	24
3	289768E80D000040	7	28F1391D0E00007D	12	28A745E80D0000B9	16	28E74DE70D000068	20	28E429E70D00003F	25
	28AE921C0E0000BB	8					28FD4AE70D0000AD	21		

Wiring and communication test

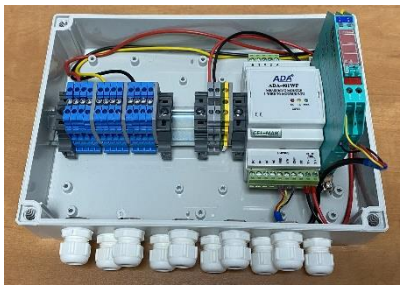
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Junction box : (Alimentation 24VDC / 200 mA)

- Zener barrier (version 150M)
- 1-Wire transmitter / Modbus RTU
- 4 cable gland,
- Terminal blocks

Part number : 00789315



Or

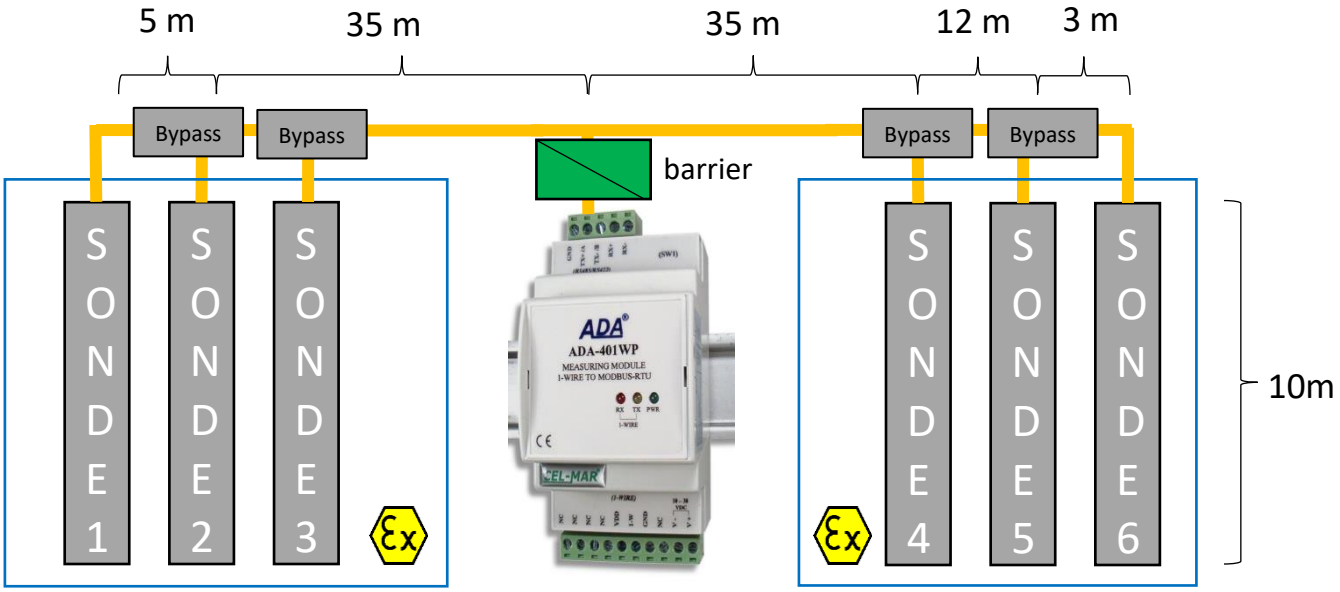
- Zener barrier (version 180M)
- 1-Wire transmitter / Modbus RTU
- 4 cable gland,
- Terminal blocks

Part number : 007879316

Architecture to respect:

➢ **with Zener version 150M :**

Maxi length = 150 m = (6 sensors length 10m + 5m + 35m + 35m + 12m + 3m)

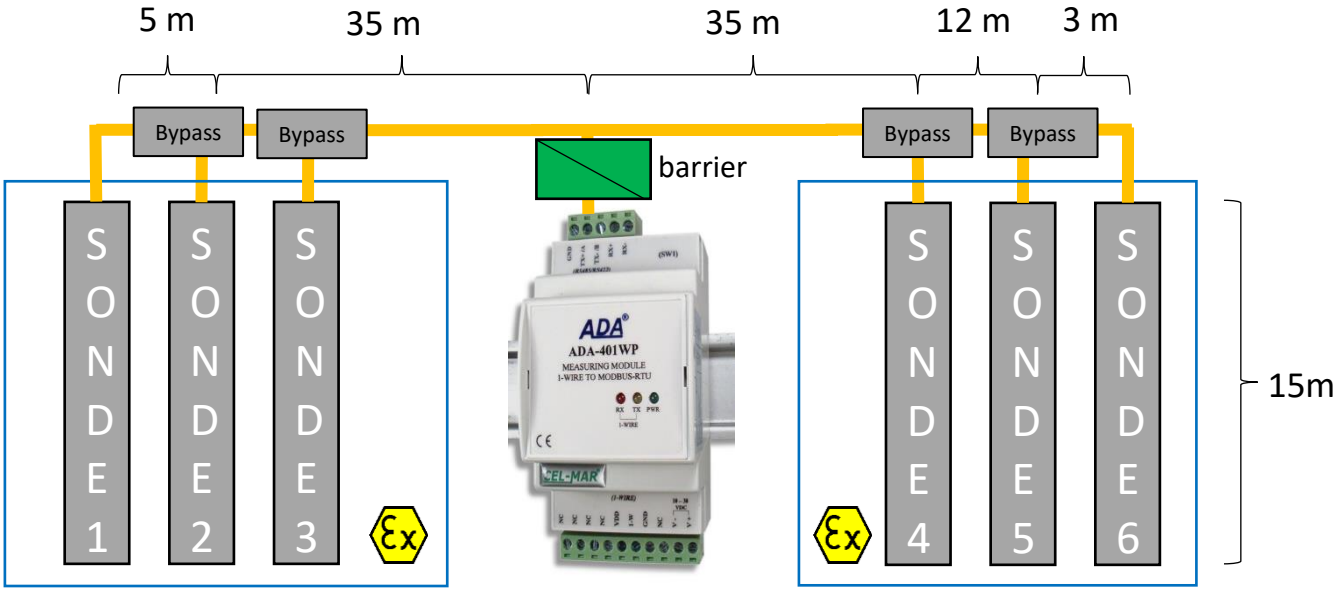


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➢ **with barrier version 180M:**

Maxi length = 180 m = (6 sensors length 15m + 5m + 35m + 35m + 12m + 3m)



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For resistif sensor for type of protection Ex »i »:

- Transmitter mounted in safe area typeJUMO dTrans T06 Ex, data sheet 707075/..
- Transmitter Jumo dTRANS T01 B Ex, F.T : 707015 mounted in a ATEX/IECEX junction box
- JUMO Ex-i Power Supply/Input Isolating Amplifier, data sheet 707530







Accessories :

- Suspension ring Ø18, part number 00783174
  Tensile strength test: C.M.U = 1300 Kg

- Suspension ring Ø14, part number 00783173
  Tensile strength test: C.M.U = 600 Kg

- Connecting cable PVC C2 3x0.35mm² for digital sensor: part number 00784424
- Connecting cable PVC C2 19x0.12mm² for resistif sensor: part number 00788068

- C/C seal to be placed between the fixing plate and the concrete slab for execution 3 et 30 and execution 4 and 40, part number 00513668

Approvals and approval marks

Approval mark	Basic type	Certificate/ Certification numbers	Inspection basis
II 1 D Ex ia IIIC T20085°C…T200100°C Da	903530/1-11 903530/1-12	QPS 23ATEX5019X	EN IEC 60079-0:2018 EN 60079-11:2012
II 1/2 D Ex ia IIIC T20085°C…T200100°C Da / Ex ia IIIC T85°C…T100°C Db	903530/30-11 903530/30-12	QPS 23ATEX5019X	EN IEC 60079-0:2018 EN 60079-11:2012
II 1 D Ex ta IIIC T20085°C…T200100°C Da	903530/1-13 903530/1-14	QPS 23ATEX5019X	EN IEC 60079-0:2018 EN 60079-31:2014
II 1/2 D Ex ta IIIC T20085°C…T200100°C Da / Ex tb IIIC T85°C…T100°C Db	903530/30-13 903530/30-14	QPS 23ATEX5019X	EN IEC 60079-0:2018 EN 60079-31:2014
Ex ia IIIC T20085°C…T200100°C Da	903530/1-11 903530/1-12	IECEx QPS 24.0028X	IEC 60079-0:2017 IEC 60079-11:2023
Ex ia IIIC T20085°C…T200100°C Da / Ex ia IIIC T85°C…T100°C Db	903530/30-11 903530/30-12	IECEx QPS 24.0028X	IEC 60079-0:2017 IEC 60079-11:2023
Ex ta IIIC T20085°C…T200100°C Da	903530/1-13 903530/1-14	IECEx QPS 24.0028X	IEC 60079-0:2017 IEC 60079-31:2022
Ex ta IIIC T20085°C…T200100°C Da / Ex tb IIIC T85°C…T100°C Db	903530/30-13 903530/30-14	IECEx QPS 24.0028X	IEC 60079-0:2017 IEC 60079-31:2022

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Type of protection : intrinsic safety Ex « ia » or protection by enclosure Ex »ta »	
Data sheet	**903530** Pt 100 Ohm, Pt 1000 Ohm, CTN, digital sensor DS18B20
Type	Temperature sensors type Multipoints
Position	**903530/1** Execution 1 - basic temperature probe, type of protection Ex »i» and Ex »t» **903530/2** Execution 2 - fastening on structure: exécution 1 + fixing bracket **903530/3** Execution 3 - fastening on concrete slab: exécution 1 + plate + connecting cable **903530/30** Execution 30 - fastening on concrete slab : exécution 1 + alu. Junction box (without connecting cable) **903530/4** Execution 4 - fastening on concrete slab: exécution 1 + fixing bracket+ ATEX / IECEx junction box, dim. 120x120x95, equiped with ATEX / IECEx terminals for resistif sensor (maxi.: 9 points) **903530/40** Execution 40 - fastening on concrete slab : exécution 1 + fixing bracket+ ATEX / IECEx junction box, dim. 80x75x55, equiped with ATEX / IECEx terminals for digital sensor (3 points) **903530/5** Execution 5 - fastening on structure: fixing bracket + ATEX / IECEx junction box dim. 120x120x95
Type of protection	**11** Resistif sensor, type of protection Ex «i» (alu. terminal head / SS316L terminal head) **12** Digital sensor, type of protection Ex «i» (alu. terminal head / SS316L terminal **13** Resistif sensor, type of protection Ex «t» (alu. terminal head / SS316L terminal head) **14** Digital sensor, type of protection Ex «t» (alu. terminal head / SS316L terminal
Atmosphere	Dust Zone 20 for execution 1,2,3 Dust Zone 20 for PEHD conduit / 21 for terminal head / junction box for execution 30,4,40,5
Measuring insert	Replaceable
Connecting cable	PVC, ambient temperature range -5 to +80 °C (+100/+105 °C) Option: additional protection with metal sheathing (e.g. flexible stainless steel sheathing with simple stapling)
Protective conduit	PEHD electrostatic conductive with outer resistance < à 100000 Ohm/cm - diameter d= 17 mm - 24 x zinc coated steel wire - inner liner: PEHD
Dimensions	Length L : de 0 à 60 000 mm Length Lc : de 100 à 100 000 mm
Terminal head	Aluminium / stainless steel AISI 316 L
Probe foot	AISI 304L with through hole d= 11 mm
Tensile test performed	- terminal head + PEHD conduit, maximum value before breaking: 33 KN - probe foot, maximum value before breaking: 7 K
Thermal resistance	- 12,5 K for resistif sensor - 12,5 K for digital sensor
Junction box	For execution 4,40 and 5: II 2 D certified junction box – according to EN/IEC 60079-0 et EN/IEC 60079-31 Connection to II 2 D certified terminal blocks
Electrical values	Type of protection Ex « i » - resistif sensor : Ui :25V DC ; Ii :50mA ; Pi :250mW ; Ci=0nF ; Li=0mH - digital sensor : Ui :9V DC ; Ii :550mA ; Pi :630mW ; Ci=30pF ; Li=0µH Type of protection Ex »t » - resistif sensor : Un :25V DC In :50mA Pn :250mW - digital sensor : Un :9V DC In :550mA Pn :630mW

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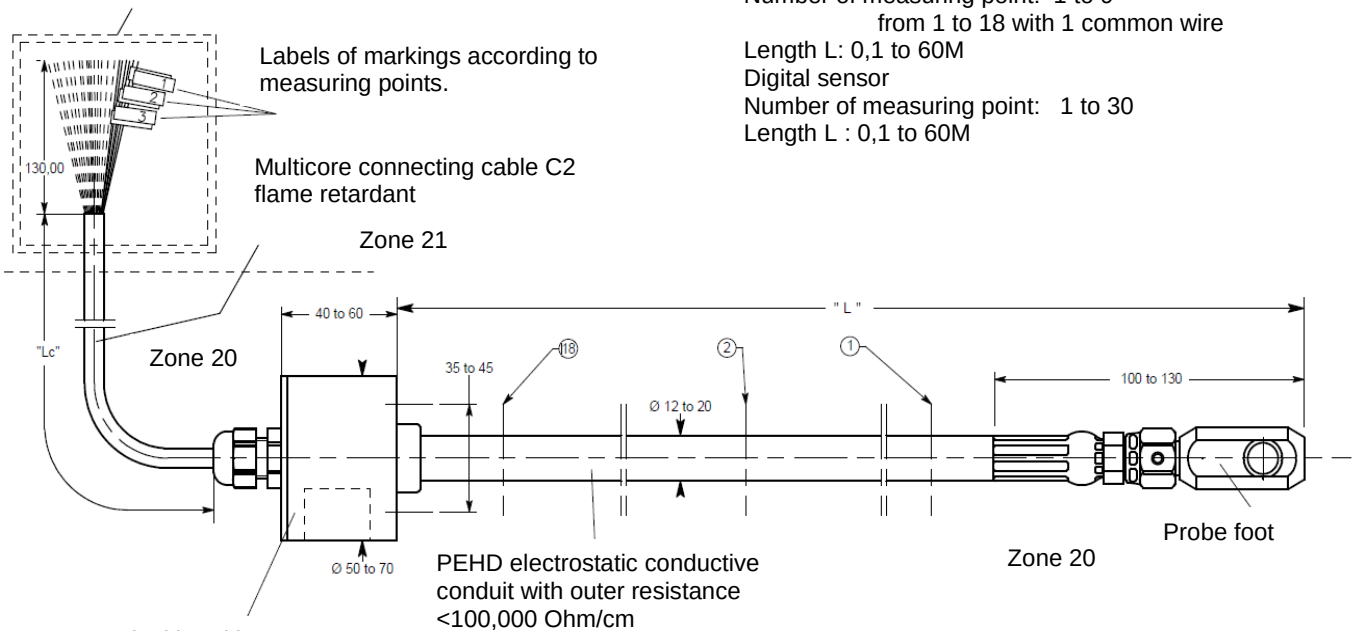
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Execution 1: basic temperature probe (without fixation)

Basic type	903530/1	
Execution	1	Basic temperature probe
Type of protection	11 12 13 14	Resistif sensor, type of protection Ex “i” Digital sensor, type of protection Ex “i” Resistif sensor, type of protection Ex “t” Digital sensor, type of protection Ex “t”
Terminal head	Aluminium / stainless steel AISI 316 L	
Measuring insert	Replaceable connecting cable Pt100 – Pt1000 2 wires or 3 wires CTN – CTP – Digital sensor	
Atmosphere	DUST zone 20	



For connection in hazardous area, to be use imperatively a terminal box with protection level "tb" IP 6X



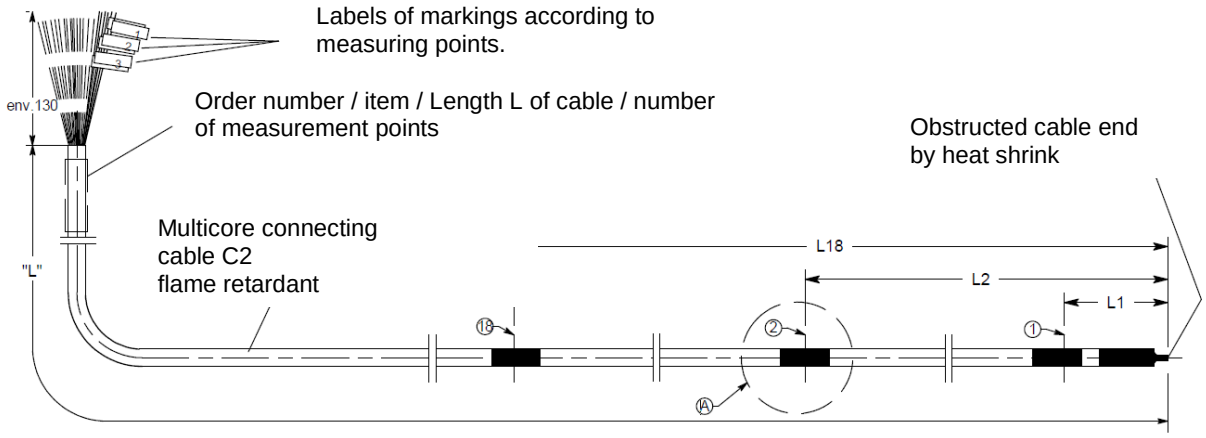
Technical data

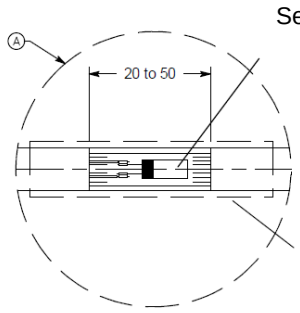
Resistif sensor: Pt100, Pt1000, NTC, CTP
Number of measuring point: 1 to 9
from 1 to 18 with 1 common wire
Length L: 0,1 to 60M
Digital sensor
Number of measuring point: 1 to 30
Length L : 0,1 to 60M

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Repleceable resitif sensor

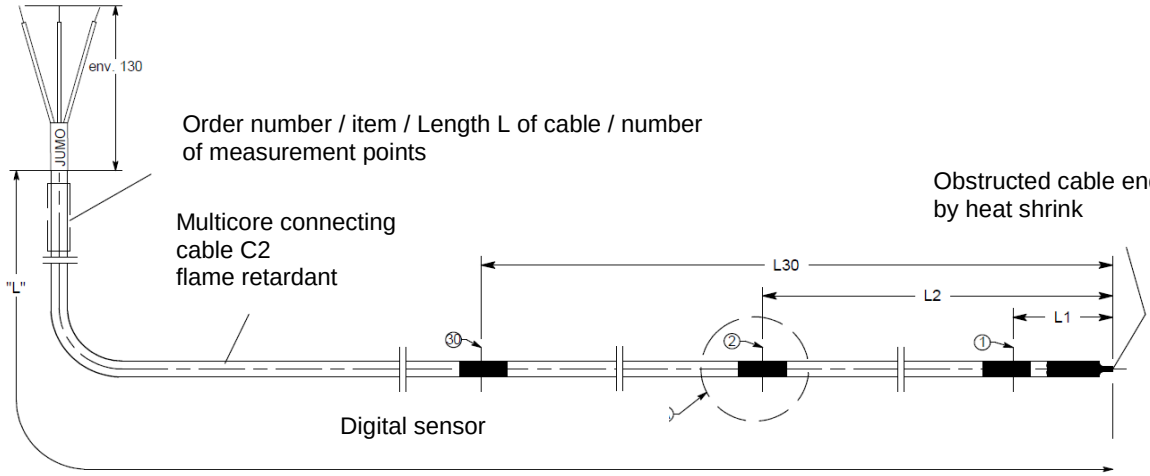


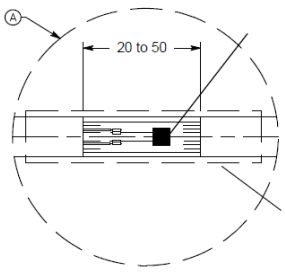


Technical data

Resistif sensor: Pt100, Pt1000, NTC, CTP
Number of measuring point: 1 to 9
from 1 to 18 with 1 common wire
Length L: 0,1 to 60M

Repleceable digital sensor





Technical data

Length L: 0,1 to 60M
Digital sensor
Number of measuring point: : 1 to 30
Length L : 0,1 to 60M



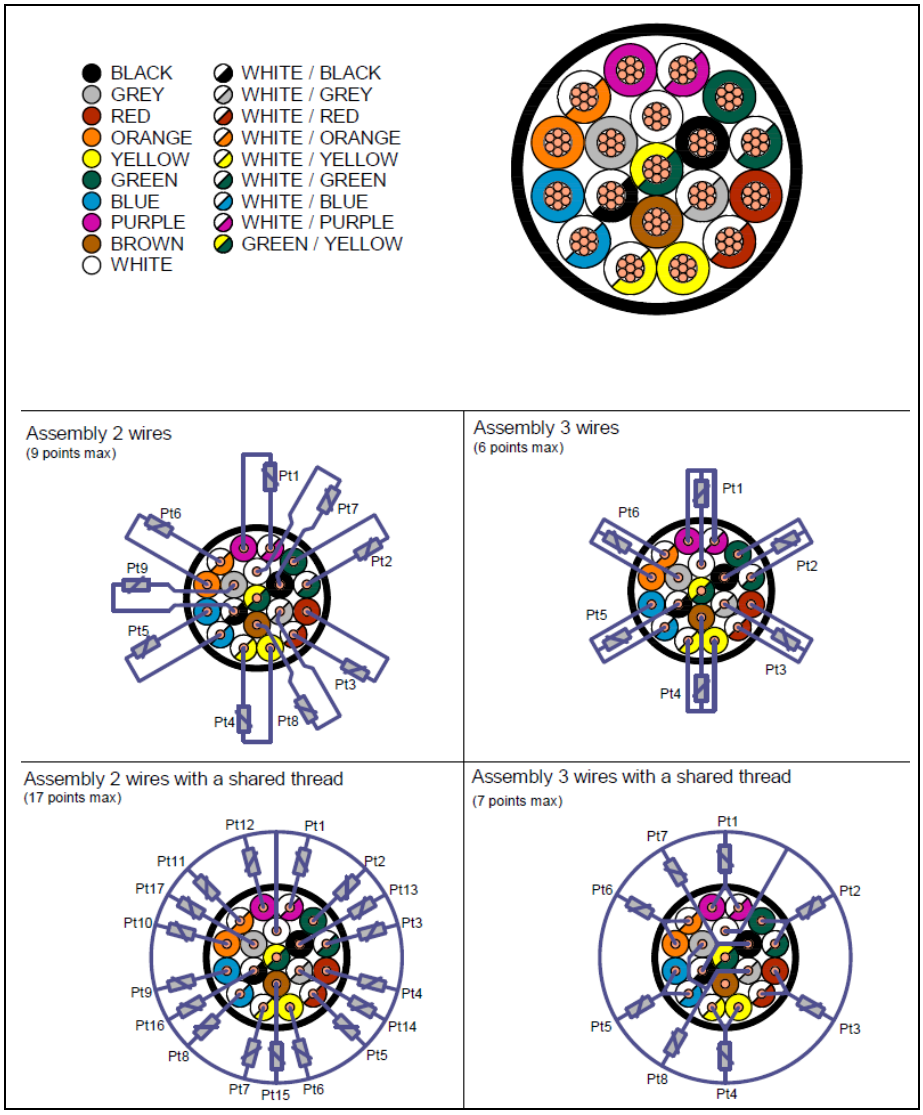
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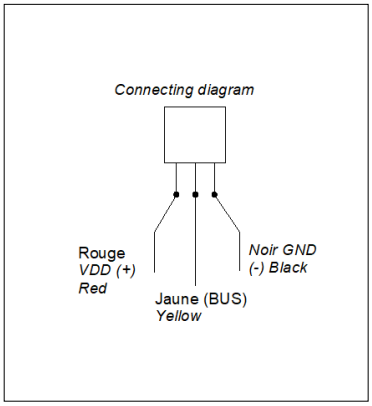
Connecting cable for silothermometry

Identification of measurement points on connection cable:

Pt100 3 wires assembly / Pt1000 2 wires assembly



Digital sensor



Order details for measuring cable :

(1) (2) (3) (4) (5) (6)

(1) Datasheet + basic type
(2) Operating temperature : 635 = -20 ... +80°C
(3) Measuring insert. Example : 3003 = 3xPt100 2Fils – 4005 = 4xPt1000 2 Fils
(4) Tolerance class
(5) Connecting cable diameter (mm)
(6) Length of the connecting cable (M)

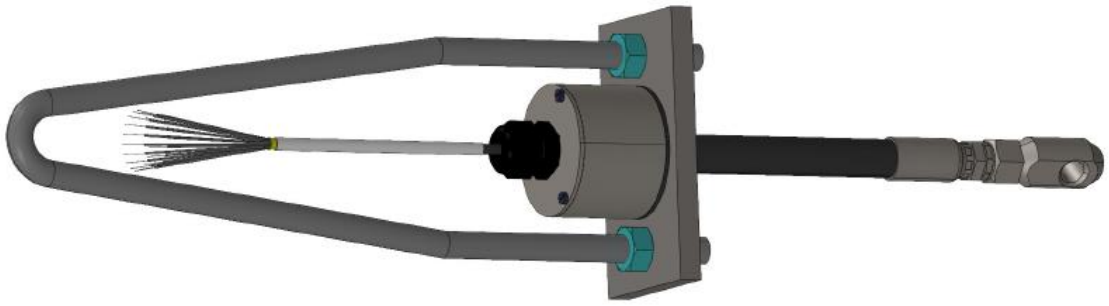
Example :
909740/99-635-4005-1-5,4-22
Connecting cable for multipoints temperature sensor, 8 points, Pt1000 2 wires, class B, length 22M
The measuring cable alone is not ATEX

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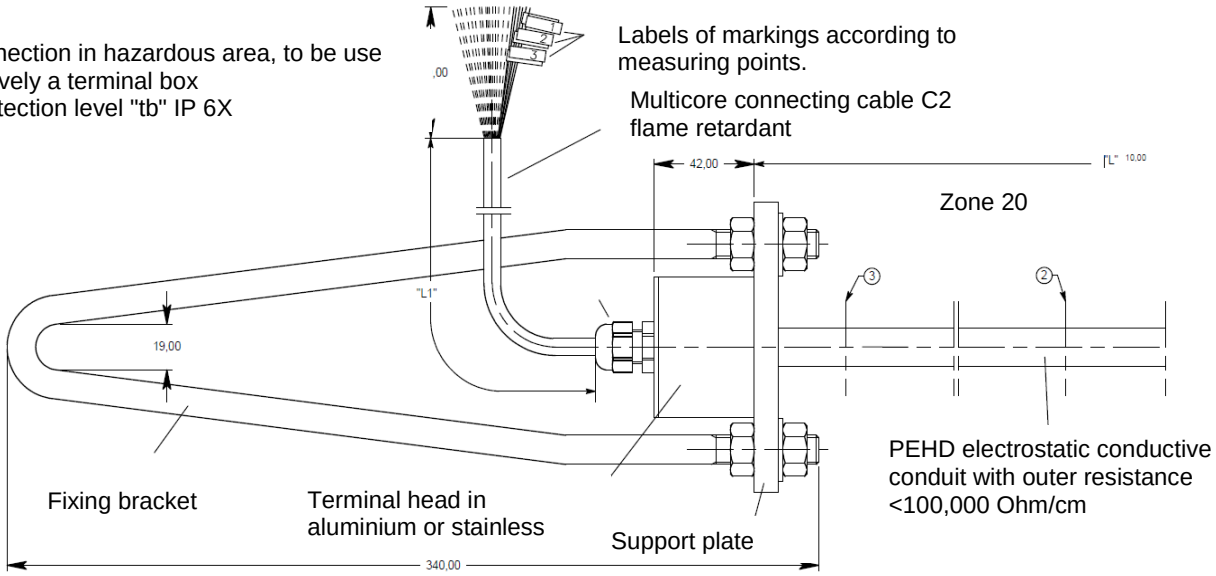
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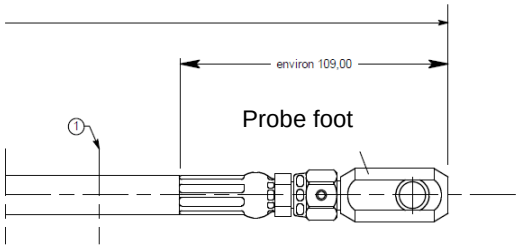
Execution 2: execution for fastening on structure

Basic type	903530/2	
Execution	2	Fastening on structure: exécution 1 + fixing bracket
Type of protection	11 12 13 14	Resistif sensor, type of protection Ex “i” Digital sensor, type of protection Ex “i” Resistif sensor, type of protection Ex “t” Digital sensor, type of protection Ex “t”
Terminal head	Aluminium / stainless steel AISI 316 L	
Measuring insert	Replaceable connecting cable Pt100 – Pt1000 2 wires or 3 wires CTN – CTP – Digital sensor	
Atmosphere	DUST zone 20	



For connection in hazardous area, to be use imperatively a terminal box with protection level "tb" IP 6X





Technical data

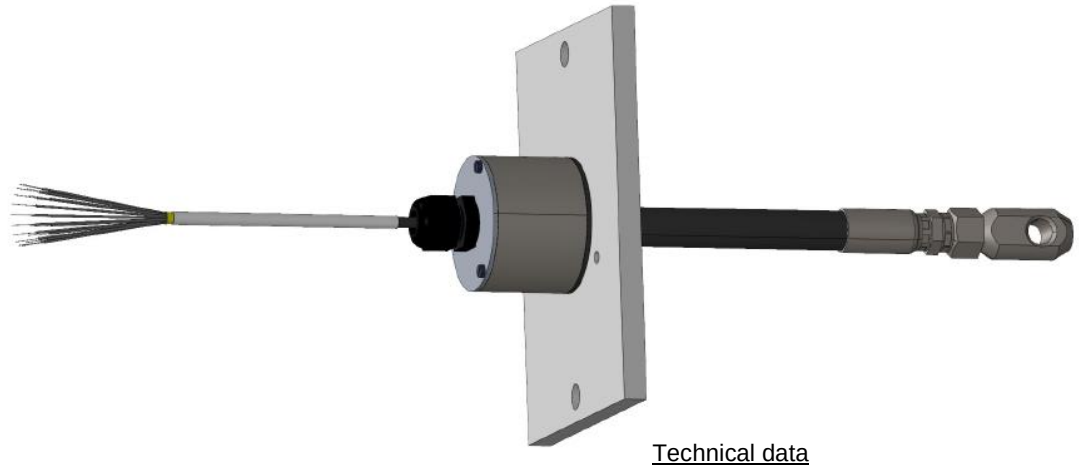
Resistif sensor: Pt100, Pt1000, NTC, CTP
Number of measuring point: 1 to 9
from 1 to 18 with 1 common wire
Length L: 0,1 to 60M
Digital sensor
Number of measuring point: : 1 to 30
Length L : 0,1 to 60M

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Интернет: www.jumo-russia.ru

Execution 3: fastening on concrete slab

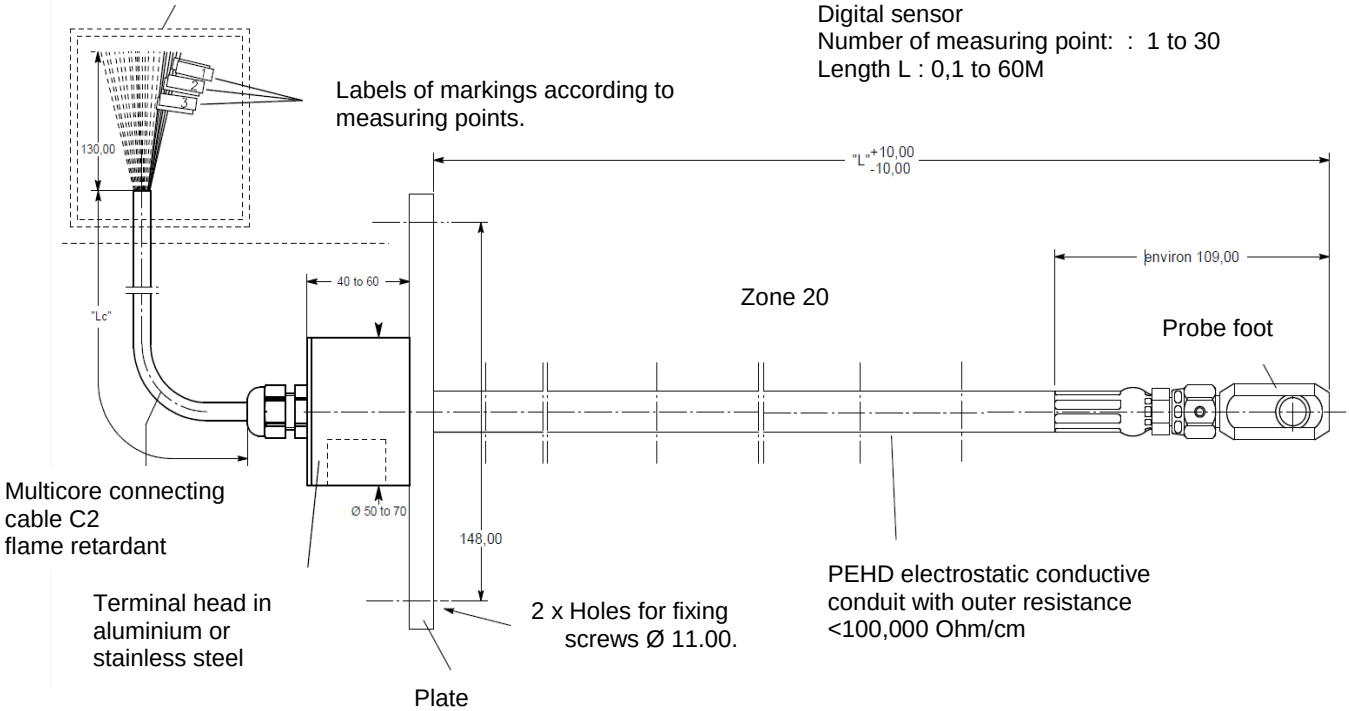
Basic type	903530/3	
Execution	3	Fastening on concrete slab: exécution 1 + plate + connecting cable
Type of protection	11 12 13 14	Resistif sensor, type of protection Ex “i” Digital sensor, type of protection Ex “i” Resistif sensor, type of protection Ex “t” Digital sensor, type of protection Ex “t”
Terminal head	Aluminium / stainless steel AISI 316 L	
Measuring insert	Replaceable connecting cable Pt100 – Pt1000 2 wires or 3 wires CTN – CTP – Digital sensor	
Atmosphere	DUST zone 20	



Technical data

Resistif sensor: Pt100, Pt1000, NTC, CTP
Number of measuring point: 1 to 9
from 1 to 18 with 1 common wire
Length L: 0,1 to 60M
Digital sensor
Number of measuring point: : 1 to 30
Length L : 0,1 to 60M

For connection in hazardous area, to be use imperatively a terminal box with protection level "tb" IP 6X

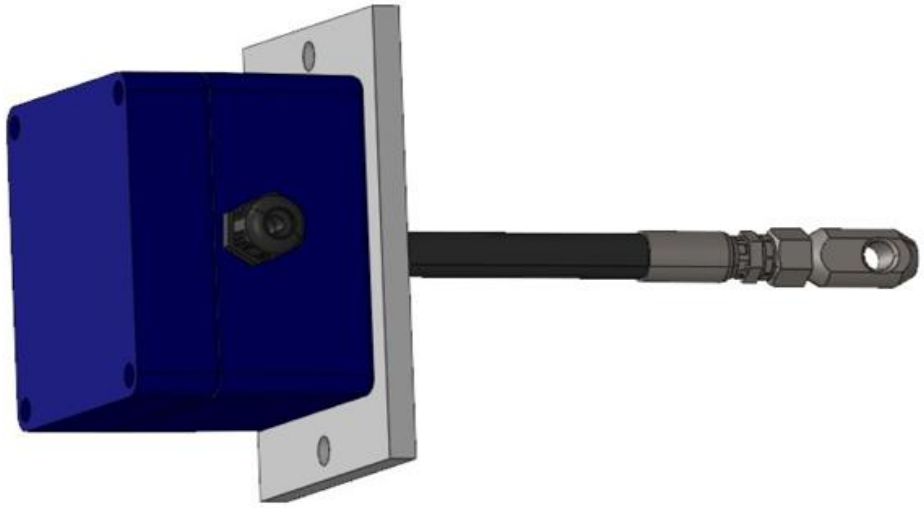


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Web: http://www.jumo.net

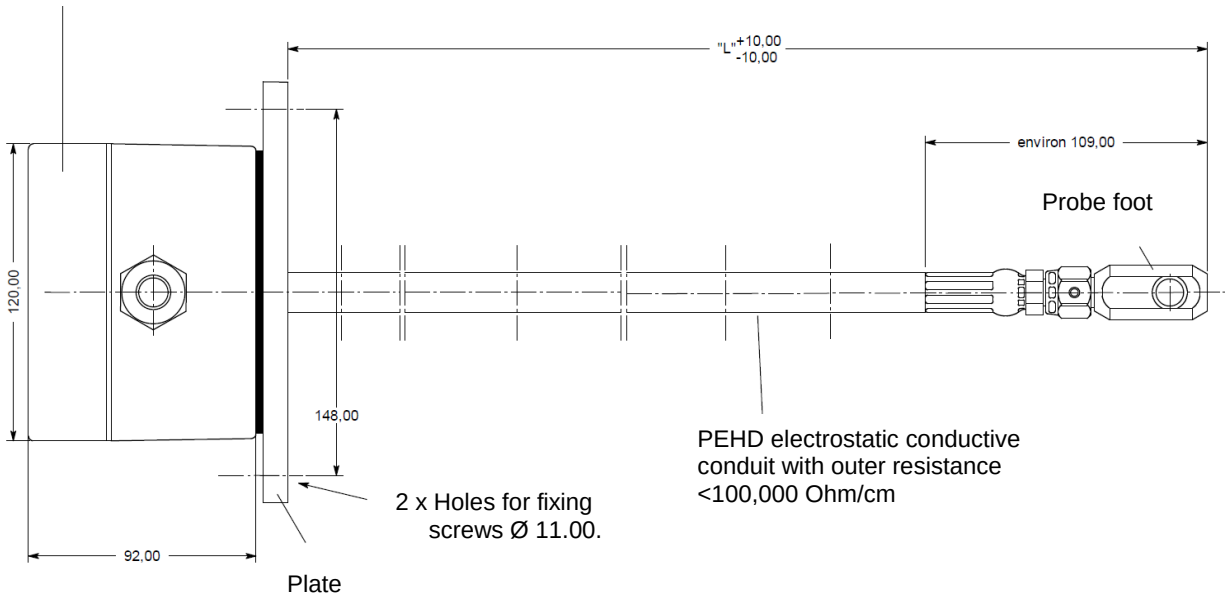
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Execution 30: fastening on concrete slab + junction box

Basic type	903530/30
Execution	30 fastening on concrete slab: exécution 1 + alu. Junction box (without connecting cable)
Type of protection	11 Resistif sensor, type of protection Ex “i” 12 Digital sensor, type of protection Ex “i” 13 Resistif sensor, type of protection Ex “t” 14 Digital sensor, type of protection Ex “t”
Terminal head	Aluminium / stainless steel AISI 316 L
Measuring insert	Replaceable connecting cable Pt100 – Pt1000 2 wires or 3 wires CTN – CTP – Digital sensor
Atmosphere	DUST zone 20



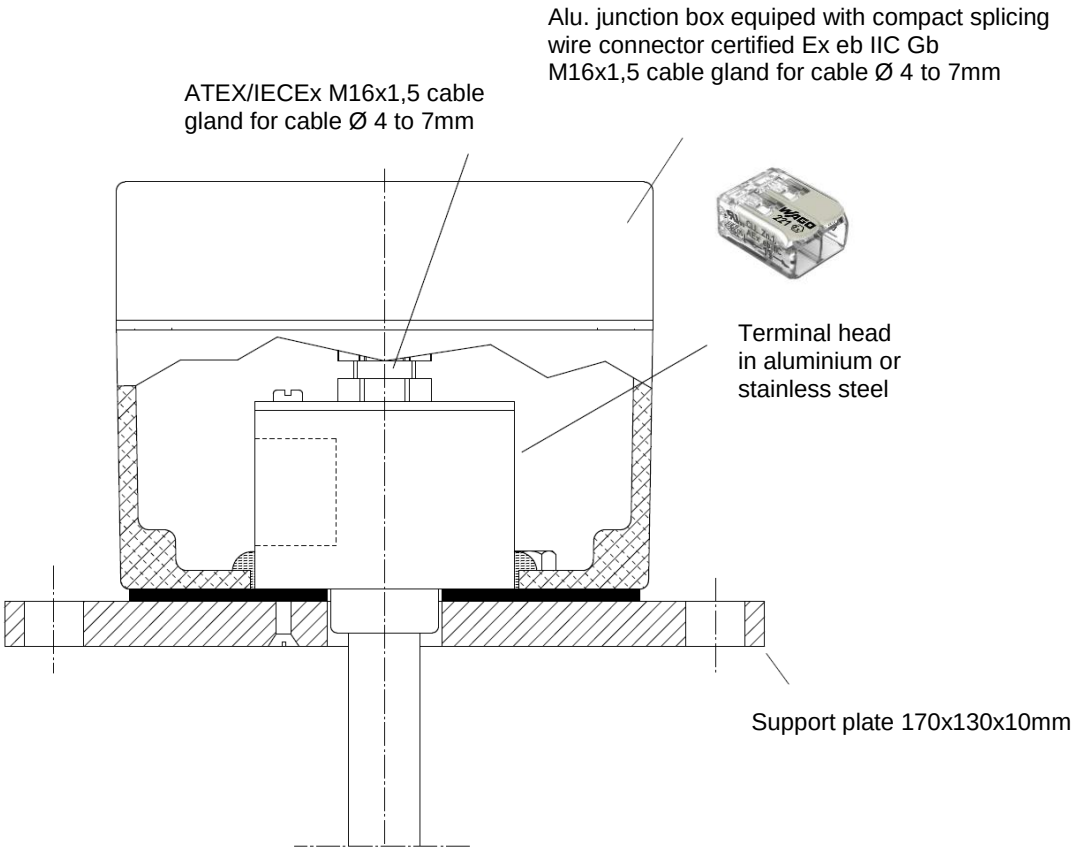
Alu. junction box equiped with + compact splicing
wire connector certified Ex eb IIC Gb
M16x1,5 cable gland for cable Ø 4 to 7mm



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Execution 30: fastening on concrete slab + junction box



Technical data

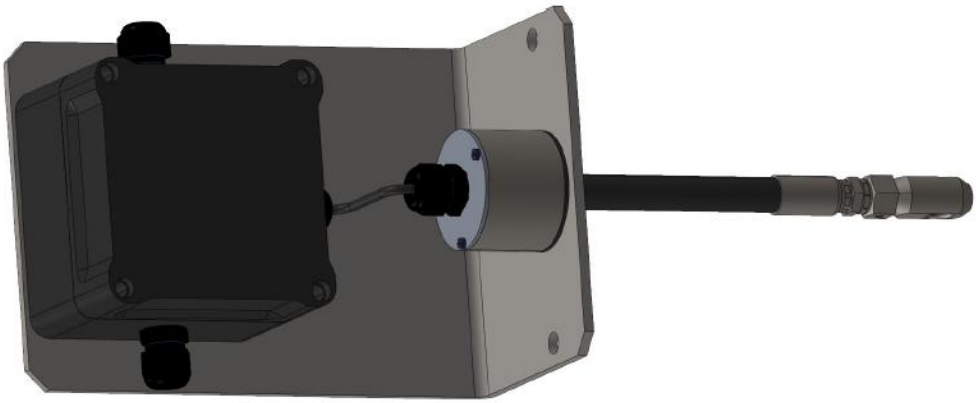
Resistif sensor : Pt100, Pt1000, NTC, CTP
Number of measuring point: 1 to 9
from 1 to 18 with 1 common wire
Length L: 0,1 to 60M
Digital sensor
Number of measuring point: : 1 to 30
Length L : 0,1 to 60M

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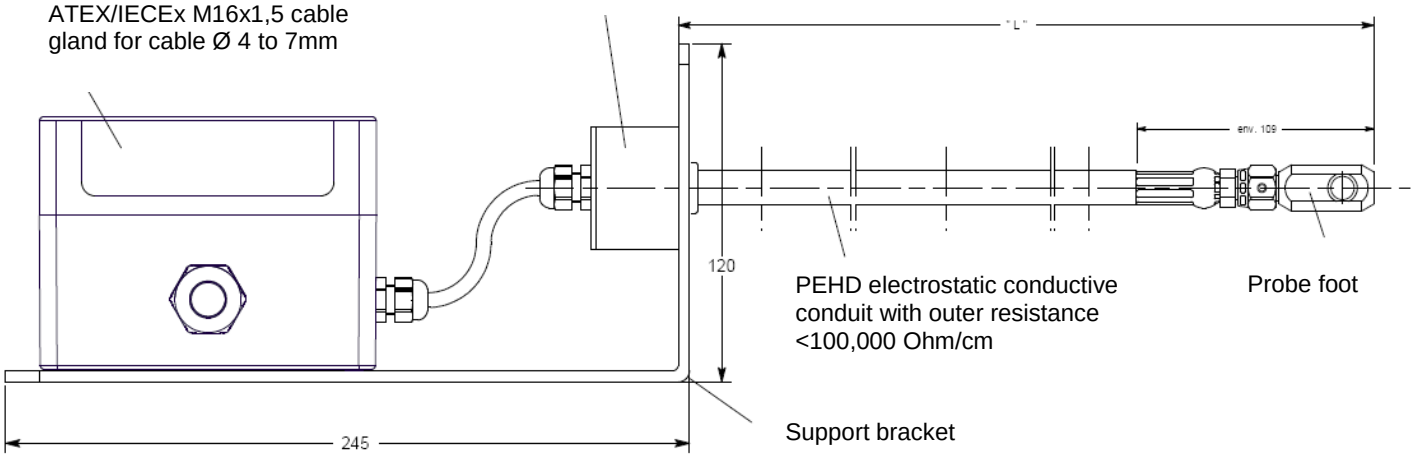
Execution 4: fastening on concrete slab - resistif sensor

Basic type	903530/4	
Execution	4	Fastening on concrete slab: exécution 1 + fixing bracket + ATEX / IECEx Junction box, dim. 120x120x95, equiped with ATEX / IECEx terminals for resistif sensor (maxi.: 9 points)
Type of protection	11	Resistif sensor, type of protection Ex “i”
	13	Resistif sensor, type of protection Ex “t”
Terminal head	Aluminium / stainless steel AISI 316 L	
Measuring insert	Replaceable connecting cable Pt100 – Pt1000 2 wires or 3 wires CTN – CTP	
Atmosphere	DUST zone 20 for PEHD electrostatic conductive conduit / zone 21 for ATEX/IECEx junction box	



ATEX / IECEx junction box, dim. 120x120x95, equiped with ATEX / IECEx terminals for resistif sensor (maxi.: 9 points)
Ex eb IIC Gb
ATEX/IECEx M16x1,5 cable gland for cable Ø 4 to 7mm

Terminal head in aluminium or stainless steel



PEHD electrostatic conductive conduit with outer resistance <100,000 Ohm/cm

Probe foot

Support bracket

Technical data

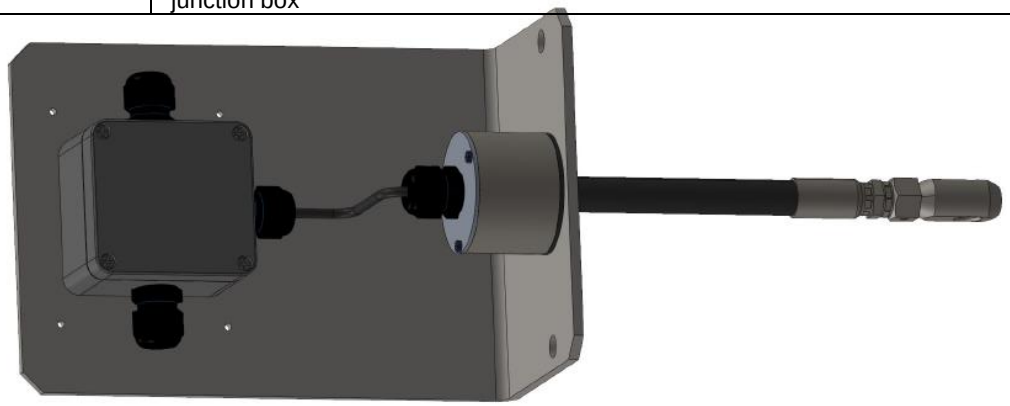
Resistif sensor : Pt100, Pt1000, NTC, CTP
Number of measuring point: 1 to 9
from 1 to 18 with 1 common wire
Length L: 0,1 to 60M

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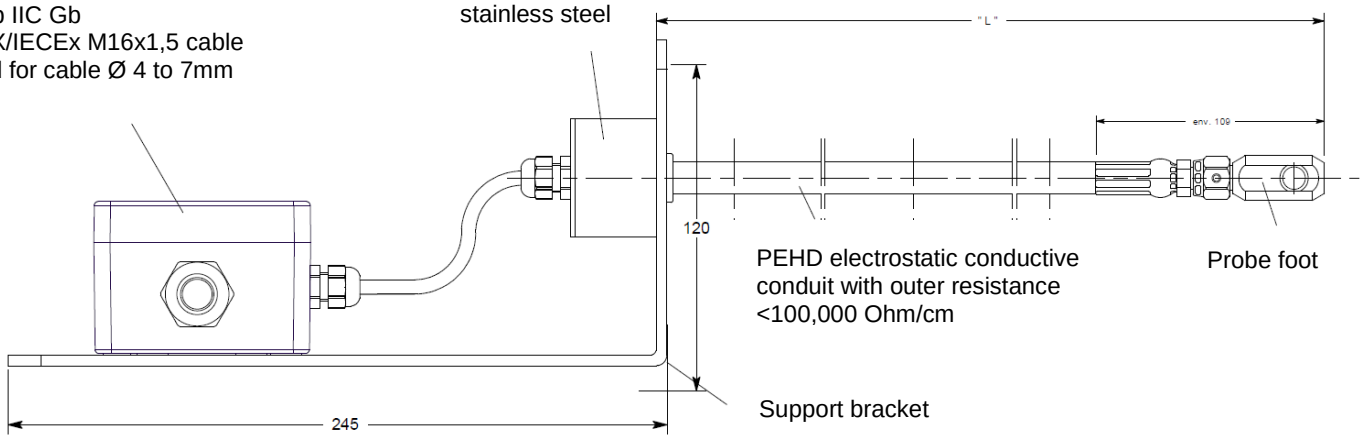
Execution 40: fastening on concrete slab – digital sensor

Basic type	903530/40	
Execution	40	Fastening on concrete slab: exécution 1 + fixing bracket + ATEX / IECEx Junction box, dim. 80x75x55, equiped with ATEX / IECEx terminals for Digital sensor
Type of protection	12	Digital sensor, type of protection Ex “i”
	14	Digital sensor, type of protection Ex “t”
Terminal head	Aluminium / stainless steel AISI 316 L	
Measuring insert	Replaceable connecting cable Pt100 – Pt1000 2 wires or 3 wires CTN – CTP	
Atmosphere	DUST zone 20 for PEHD electrostatic conductive conduit / zone 21 for ATEX/IECEx junction box	



ATEX / IECEx junction box, dim. 80x75x55, equiped with ATEX / IECEx terminals
Ex eb IIC Gb
ATEX/IECEx M16x1,5 cable gland for cable Ø 4 to 7mm

Terminal head in aluminium or stainless steel



PEHD electrostatic conductive conduit with outer resistance <100,000 Ohm/cm

Probe foot

Support bracket

Technical data

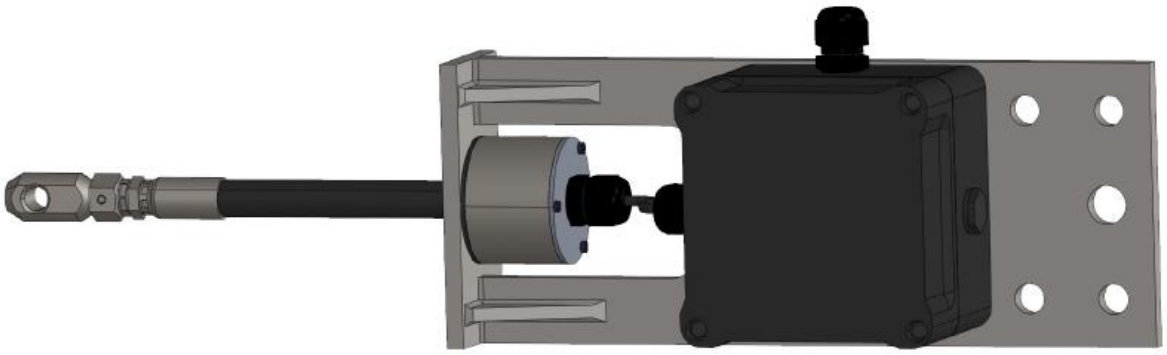
Digital sensor
Number of measuring point: : 1 to 30
Length L : 0,1 to 60M

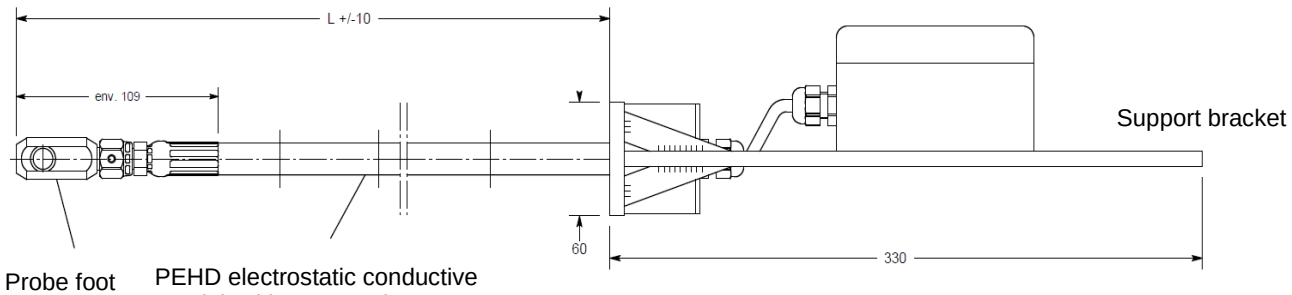
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Exécution 5 : fastening on concrete slab or for fastening on structure

Basic type	903530/5	
Execution	5	Fastening on concrete slab: exécution 1 + fixing bracket + ATEX / IECEx Junction box, dim. 120x120x95, equiped with ATEX / IECEx terminals for resistif sensor
Type of protection	11	Resistif sensor, type of protection Ex “i”
	13	Resistif sensor, type of protection Ex “t”
Terminal head	Aluminium / stainless steel AISI 316 L	
Measuring insert	Replaceable connecting cable Pt100 – Pt1000 2 wires or 3 wires CTN – CTP	
Atmosphere	DUST zone 20 for PEHD electrostatic conductive conduit / zone 21 for ATEX/IECEx junction box	



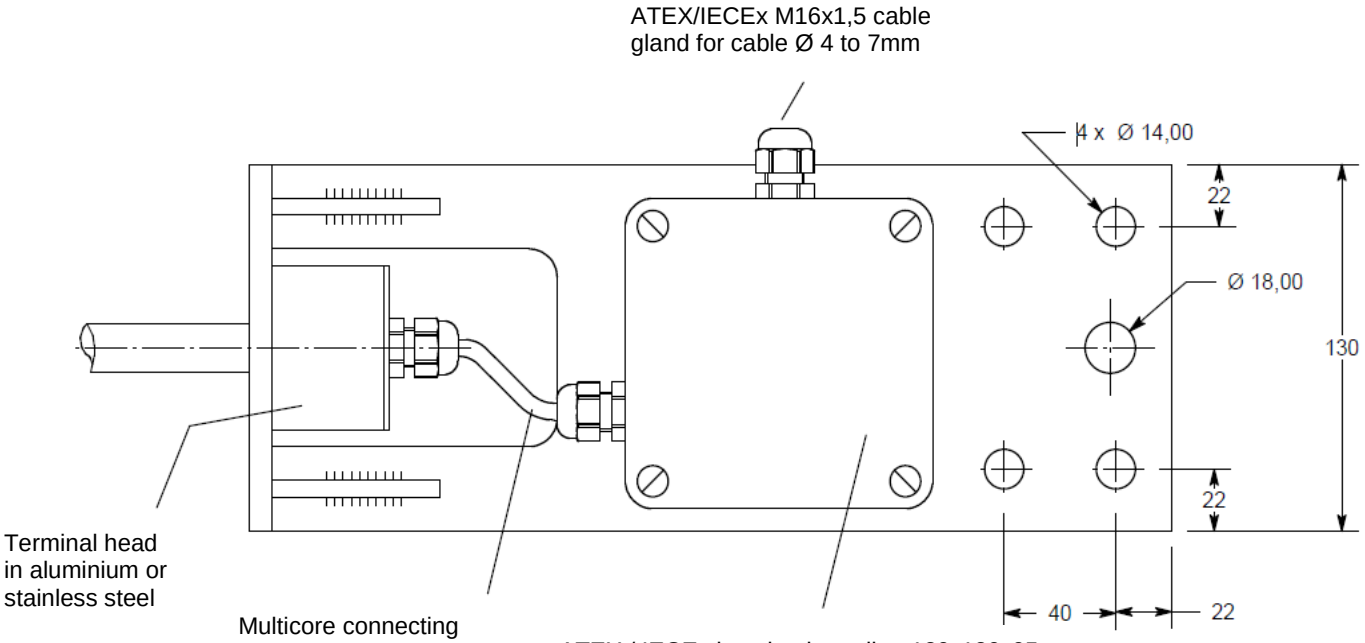


Probe foot

PEHD electrostatic conductive conduit with outer resistance <100,000 Ohm/cm

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Technical data

Resistif sensor : Pt100, Pt1000, NTC, CTP
Number of measuring point: 1 to 9
from 1 to 18 with 1 common wire
Length L: 0,1 to 60M

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Order details

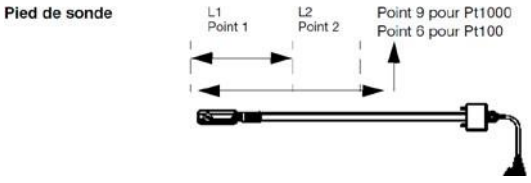
			(1)	**Basic type**
	9035030/1		**Execution 1 :**	Basic temperature probe without fixation
			(2)	**Measuring insert and type of protection**
X		11		Resistif sensor, type of protection Ex “i” (Standard: alu. Terminal head.)
X	X	12		Digital sensor, type of protection Ex “i” (Standard: alu. Terminal head.)
X		13		Resistif sensor, type of protection Ex “t” (Standard: alu. Terminal head.)
X	X	14		Digital sensor, type of protection Ex “t » (Standard tête en alu.)
			(3)	**Measuring insert**
X		1001		Pt 100 class B in 3 wires circuit
X		1003		Pt 100 class B in 2 wires circuit
X		1005		Pt 1000 class B in 2 wires circuit
X		1006		Pt 1000 class B in 3 wires circuit
X	X	1560		Digital sensor
			(4)	**Number of measuring point**
				Specification in plain test
			(5)	**Insertion length EL in M**
				Specification in plain test
			(6)	**Connecting cable length in M**
				Specification in plain test
			(7)	**Conduit material**
X	X	04		PEHD electrostatic conductive
			(8)	**Extra codes**
X	X	00		None
X	X	1040		Stainless steel 316L terminal head 316L
X	X	372		IECEx Certification

Order code + order example

(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)
903530/1	-	13	-	1005	-	5	-	20	-	10	-	04	/	372

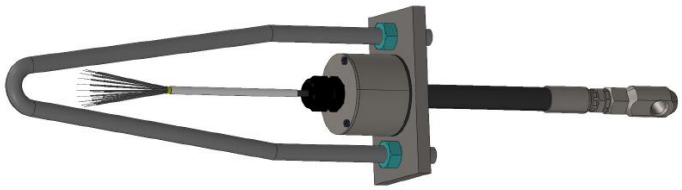
Unless otherwise stated, the measurement points are spaced at equal distances along the length of the dip, starting at the foot of the probe. Otherwise, please specify the exact length between each measurement point and the foot of the probe

(cf below the value in meters of L1, L2, ..., L9)



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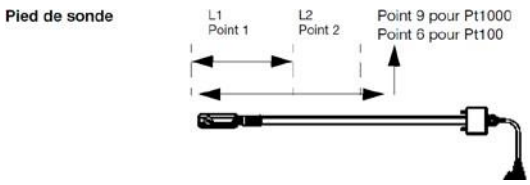
			(1)	**Basic type**
		9035030/2		**Execution 2: Basic temperature probe + fastening on structure**
				
			(2)	**Measuring insert and type of protection**
X		11		Resistif sensor, type of protection Ex “i” (Standard: alu. Terminal head.)
X	X	12		Digital sensor, type of protection Ex “i” (Standard: alu. Terminal head.)
X		13		Resistif sensor, type of protection Ex “t” (Standard: alu. Terminal head.)
X	X	14		Digital sensor, type of protection Ex “t” (Standard: alu. Terminal head.)
			(3)	**Measuring insert**
X		1001		Pt 100 class B in 3 wires circuit
X		1003		Pt 100 class B in 2 wires circuit
X		1005		Pt 1000 class B in 2 wires circuit
X		1006		Pt 1000 class B in 3 wires circuit
X	X	1560		Digital sensor
			(4)	**Number of measuring point**
				Specification in plain test
			(5)	**Insertion length EL in M**
				Specification in plain test
			(6)	**Connecting cable length in M**
				Specification in plain test
			(7)	**Conduit material**
X		04		PEHD electrostatic conductive
			(8)	**Extra codes**
X	X	1040		Stainless steel 316 terminal head 316L
X	X	372		IECEx Certification

Order code + order example

(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)
	-		-		-		-		-		-		/	
903530/2	-	13	-	1005	-	5	-	20	-	10	-	04	/	372

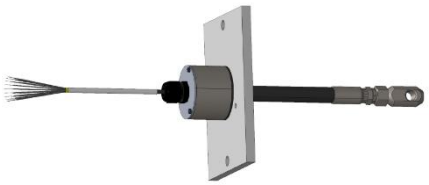
Unless otherwise stated, the measurement points are spaced at equal distances along the length of the dip, starting at the foot of the probe. Otherwise, please specify the exact length between each measurement point and the foot of the probe

(cf below the value in meters of L1, L2, ..., L9)



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			(1)	**Basic type**
	9035030/3			**Execution 3: Fastening on concrete slab, execution 1 + plate + connecting cable**
				
			(2)	**Measuring insert and type of protection**
X		11		Resistif sensor, type of protection Ex “i” (Standard: alu. Terminal head.)
X	X	12		Digital sensor, type of protection Ex “i” (Standard: alu. Terminal head.)
X		13		Resistif sensor, type of protection Ex “t” (Standard: alu. Terminal head.)
X	X	14		Digital sensor, type of protection Ex “t » (Standard tête en alu.)
			(3)	**Measuring insert**
X		1001		Pt 100 class B in 3 wires circuit
X		1003		Pt 100 class B in 2 wires circuit
X		1005		Pt 1000 class B in 2 wires circuit
X		1006		Pt 1000 class B in 3 wires circuit
X	X	1560		Digital sensor
			(4)	**Number of measuring point**
				Specification in plain test
			(5)	**Insertion length EL in M**
				Specification in plain test
			(6)	**Connecting cable length in M**
				Specification in plain test
			(7)	**Conduit material**
X	X	04		PEHD electrostatic conductive
			(8)	**Options**
X	X	1040		Stainless steel 316 terminal head 316L
X	X	372		IECEx Certification

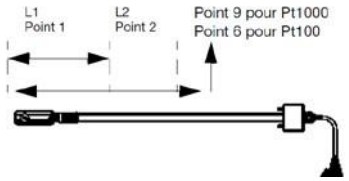
Order code + order example

(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)
903530/2	-	13	-	1005	-	5	-	20	-	10	-	04	/	372

Unless otherwise stated, the measurement points are spaced at equal distances along the length of the dip, starting at the foot of the probe. Otherwise, please specify the exact length between each measurement point and the foot of the probe

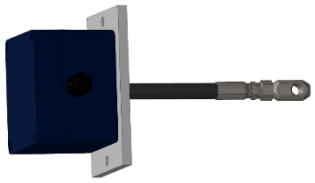
(cf below the value in meters of L1, L2, ..., L9)

Pied de sonde



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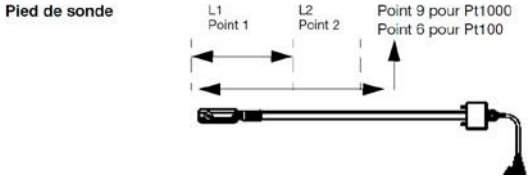
			(1)	**Basic type**
		9035030/30		**Execution 30 : fastening on concrete slab: exécution 1 + alu. Junction box (without connecting cable)**
				
			(2)	**Measuring insert and type of protection**
X		11		Resistif sensor, type of protection Ex “i” (Standard: alu. Terminal head.)
X	X	12		Digital sensor, type of protection Ex “i” (Standard: alu. Terminal head.)
X		13		Resistif sensor, type of protection Ex “t” (Standard: alu. Terminal head.)
X	X	14		Digital sensor, type of protection Ex “t » (Standard tête en alu.)
			(3)	**Measuring insert**
X		1001		Pt 100 class B in 3 wires circuit
X		1003		Pt 100 class B in 2 wires circuit
X		1005		Pt 1000 class B in 2 wires circuit
X		1006		Pt 1000 class B in 3 wires circuit
X	X	1560		Digital sensor
			(4)	**Number of measuring point**
				Specification in plain test
			(5)	**Insertion length EL in M**
				Specification in plain test
			(6)	**Connecting cable length in M**
				00
				Specification in plain test
			(7)	**Conduit material**
	X	04		PEHD electrostatic conductive
			(8)	**Extra codes**
X	X	1040		Stainless steel 316 terminal head 316L
X	X	1041		Extension lead connected in box by connectors
X	X	372		IECEx Certification

Order code + order example

(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)
903530/30	-	13	-	1005	-	5	-	20	-	00	-	04	/	372

Unless otherwise stated, the measurement points are spaced at equal distances along the length of the dip, starting at the foot of the probe. Otherwise, please specify the exact length between each measurement point and the foot of the probe

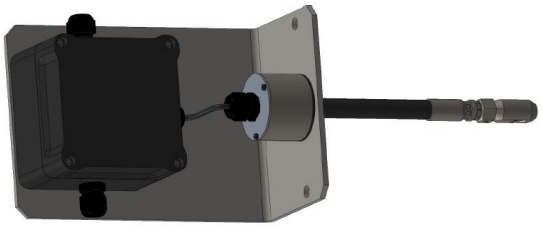
(cf below the value in meters of L1, L2, ..., L9)



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		(1)	**Basic type**
	9035030/4		**Execution 4**: fastening on concrete slab: execution 1 + fixing bracket ATEX / IECEx junction box, dim. 120x120x95, equipped with ATEX / IECEx terminals for resistif sensor (maxi.: 9 points)



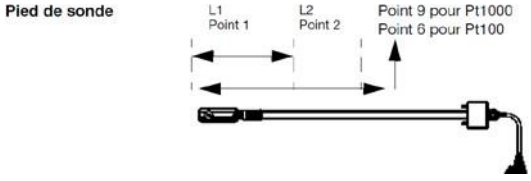
		(2)	**Measuring insert and type of protection**
X	11		Resistif sensor, type of protection Ex “i” (Standard: alu. Terminal head.)
X	13		Resistif sensor, type of protection Ex “t” (Standard: alu. Terminal head.)
		(3)	**Measuring insert**
X	1001		Pt 100 class B in 3 wires circuit
X	1003		Pt 100 class B in 2 wires circuit
X	1005		Pt 1000 class B in 2 wires circuit
X	1006		Pt 1000 class B in 3 wires circuit
		(4)	**Number of measuring point**
			Specification in plain test
		(5)	**Insertion length EL in M**
			Specification in plain test
		(6)	**Connecting cable length in M**
			00
		(7)	**Conduit material**
X	04		PEHD electrostatic conductive
		(8)	**Extra codes**
X	1040		Stainless steel 316 terminal head 316L
X	372		IECEx Certification

Order code + order example

(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)
903530/4	-	13	-	1005	-	5	-	20	-	00	-	04	/	372

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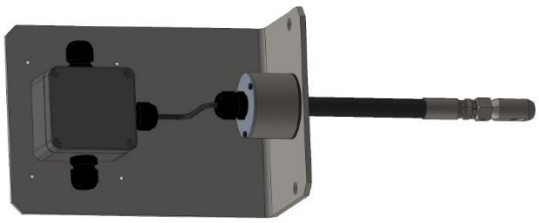
(cf below the value in meters of L1, L2, ..., L9)



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		(1)	**Basic type**
	9035030/40		**Exécution 40:** fastening on concrete slab: execution 1 + fixing bracket ATEX / IECEx Junction box, dim. 80x75x55, equipped with ATEX / IECEx terminals for digital sensor
		(2)	**Measuring insert and type of protection**
X	12		Digital sensor, type of protection Ex “i” (Standard: alu. Terminal head.)
X	14		Digital sensor, type of protection Ex “t » (Standard tête en alu.)
		(3)	**Measuring insert**
X	1560		Digital sensor
		(4)	**Number of measuring point**
			Specification in plain test
		(5)	**Insertion length EL in M**
			Specification in plain test
		(6)	**Connecting cable length in M**
			00
		(7)	**Conduit material**
X	04		PEHD electrostatic conductive
		(8)	**Extra codes**
X	1040		Stainless steel 316 terminal head 316L
X	372		IECEx Certification



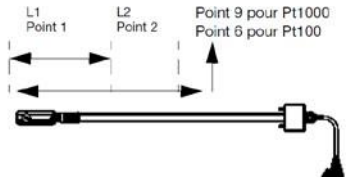
Order code + order example

(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)
903530/40	-	13	-	1560	-	5	-	20	-	00	-	04	/	372

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(cf below the value in meters of L1, L2, ..., L9)

Pied de sonde



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		(1)	**Type de base**
	9035030/5		**Execution 5:** Fastening on concrete slab: execution 1 + fixing bracket + ATEX / IECCEx Junction box, dim. 120x120x95, equiped with ATEX / IECEx terminals for resistif sensor
		(2)	**Measuring insert and type of protection**
X	11		Resistif sensor, type of protection Ex “i” (Standard: alu. Terminal head.)
X	13		Resistif sensor, type of protection Ex “t” (Standard: alu. Terminal head.)
		(3)	**Measuring insert**
X	1001		Pt 100 class B in 3 wires circuit
X	1003		Pt 100 class B in 2 wires circuit
X	1005		Pt 1000 class B in 2 wires circuit
X	1006		Pt 1000 class B in 3 wires circuit
		(4)	**Number of measuring point**
			Specification in plain test
		(5)	**Insertion length EL in M**
			Specification in plain test
		(6)	**Connecting cable length in M**
			00
		(7)	**Conduit material**
X	04		PEHD electrostatic conductive
		(8)	**Extra codes**
X	1040		Stainless steel 316 terminal head 316L
X	372		IECEx Certification
		(2)	**Measuring insert and type of protection**
X	11		Resistif sensor, type of protection Ex “i” (Standard: alu. Terminal head.)
X	13		Resistif sensor, type of protection Ex “t” (Standard: alu. Terminal head.)

Order code + order example

(1)		(2)		(3)		(4)		(5)		(6)		(7)		(8)
903530/5	-	13	-	1005	-	5	-	20	-	00	-	04	/	372

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(cf below the value in meters of L1, L2, ..., L9)

