

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

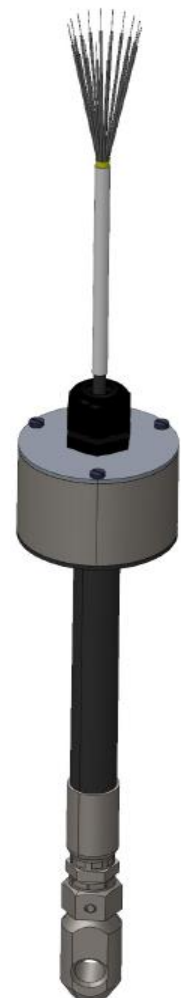
- Aluminium terminal head or stainless steel 316L
- ATEX/IECEx junction box equipped with certified connectors for execution 30,4, 40 and 5
- Connecting cable categorie C2

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



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

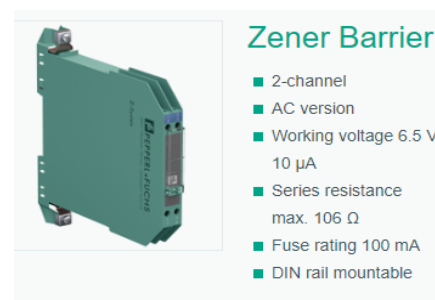


Optional equipment:

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



+

Module 1 Adresse 10 - S1, S2, S3, S4, S5, S6																							
SONDE 2				SONDE 3				SONDE 4				SONDE 5				SONDE 6							
Passerelle_P1_20230809_V1.utl09/08/2023 15:19Fichier UTL9 Ko																							
0	286E7FE80D000089	4	28668C1C0E00005B	8	28395AE60D0000BF	12	282B55E70D0000C8	16	28A859E80D0000C0	20	287D01E80D000044	24	28850BE70D0000EE	28	28D53EE70D0000C8	32	287716E70D00003C	36	28BCE7E70D000030	40	28A9DAE70D0000E8	44	289768E80D000040
1	287B9AE60D000024	5	287786E80D000011	9	284367E60D000022	13	28A859E80D0000C0	17	287D01E80D000044	21	28850BE70D0000EE	25	28D53EE70D0000C8	29	287716E70D00003C	33	28BCE7E70D000030	37	28A9DAE70D0000E8	41	289768E80D000040	45	286E7FE80D000089
2	28850BE70D0000EE	6	28D53EE70D0000C8	10	287716E70D00003C	14	28BCE7E70D000030	18	28A9DAE70D0000E8	22	289768E80D000040	26	286E7FE80D000089	30	28668C1C0E00005B	34	28395AE60D0000BF	38	282B55E70D0000C8	42	28A859E80D0000C0	46	287D01E80D000044
3	289768E80D000040	7	28F1391D0E00007D	11	28A745E80D0000B9	15	28E74DE70D000068	19	28FD4AE70D0000AD	23	286E7FE80D000089	27	28668C1C0E00005B	31	28395AE60D0000BF	35	282B55E70D0000C8	39	28A859E80D0000C0	43	287D01E80D000044	47	28850BE70D0000EE
4	28AE921C0E0000B8	8	28F1391D0E00007D	12	28A745E80D0000B9	16	28E74DE70D000068	20	28FD4AE70D0000AD	24	286E7FE80D000089	28	28668C1C0E00005B	32	28395AE60D0000BF	36	282B55E70D0000C8	40	28A859E80D0000C0	44	287D01E80D000044	48	28850BE70D0000EE

Wiring and communication test

Junction box : (Alimentation 24VDC / 200 mA)

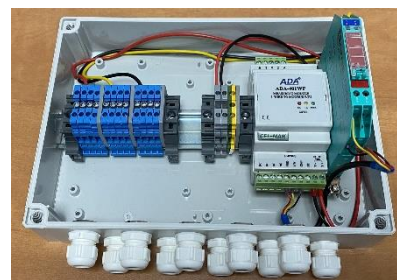
- Zener barrier (version 150M)
- 1-Wire transmitter / Modbus RTU
- 4 cable gland,
- Terminal blocks

Part number : 00789315

Or

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

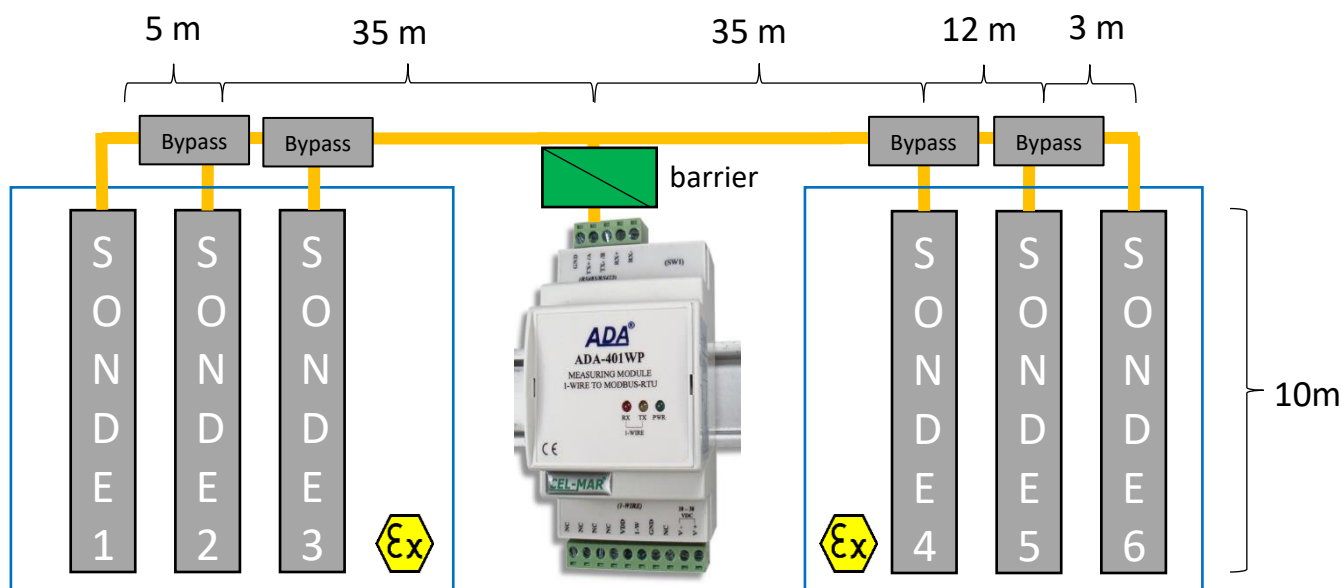
Part number : 007879316



Architecture to respect:

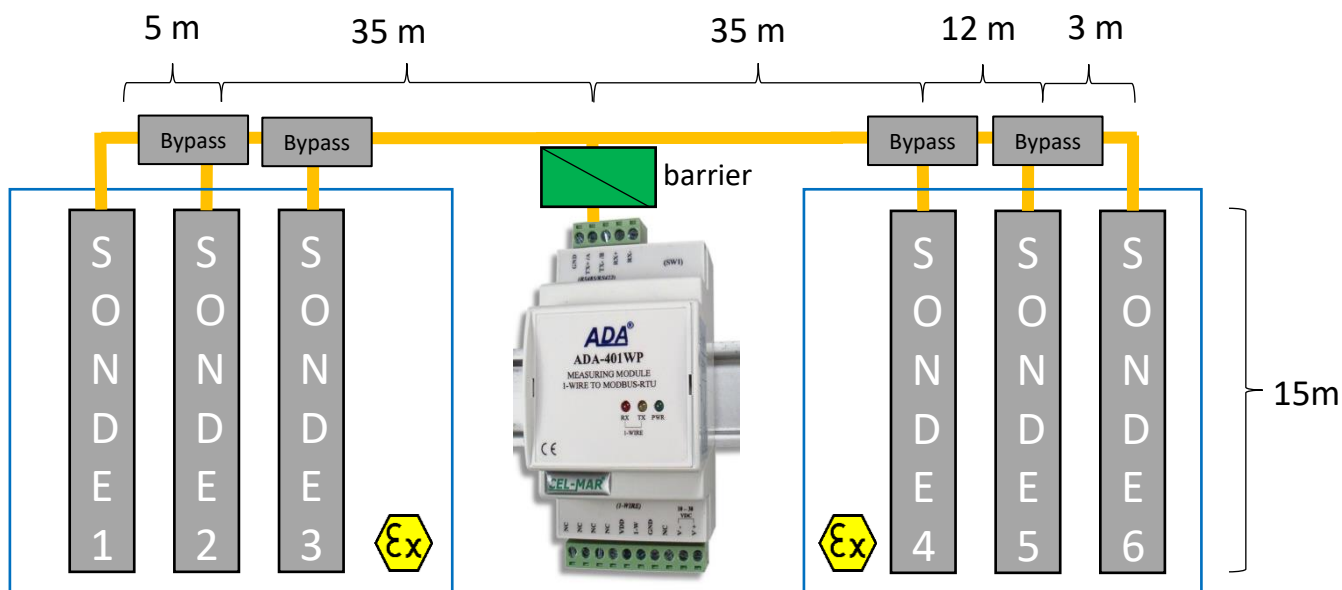
➤ with Zener version 150M :

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



➤ with barrier version 180M:

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



JUMO GmbH & Co. KG
 Adresse de livraison :
 Mackenrodtstraße 14
 36039 Fulda, Allemagne
 Adresse postale :
 36035 Fulda, Allemagne
 Tél. : +49 661 6003-0
 Fax : +49 661 6003-607
 E-Mail : mail@jumo.net
 Internet : www.jumo.net

JUMO FRANCE
 7 rue des Drapiers
 B.P. 45200
 57075 Metz Cedex 3, France
 Tél. : +33 3 87 37 53 00
 E-Mail : info.fr@jumo.net
 Internet : www.jumo.fr

JUMO AUTOMATION
S.P.R.L. / P.G.M.B.H. / B.V.B.A
 Industriestraße 18
 4700 Eupen, Belgique
 Tél. : +32 87 59 53 00
 Fax : +32 87 74 02 03
 E-Mail : info.be@jumo.net
 Internet : www.jumo.be

JUMO Schweiz AG
 Laubisrütistrasse 70
 8712 Stäfa, Suisse
 Tél. : +41 44 928 24 44
 Fax : +41 44 928 24 48
 E-Mail : info.ch@jumo.net
 Internet : www.jumo.ch



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

- Transmitter mounted in safe area type JUMO 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



JUMO GmbH & Co. KG
 Adresse de livraison :
 Mackenrodtstraße 14
 36039 Fulda, Allemagne
 Adresse postale :
 36035 Fulda, Allemagne
 Tél. : +49 661 6003-0
 Fax. : +49 661 6003-607
 E-Mail : mail@jumo.net
 Internet : www.jumo.net

JUMO FRANCE
 7 rue des Drapiers
 B.P. 45200
 57075 Metz Cedex 3, France
 Tél. : +33 3 87 37 53 00
 E-Mail : info.fr@jumo.net
 Internet : www.jumo.fr

JUMO AUTOMATION
S.P.R.L. / P.G.M.B.H. / B.V.B.A
 Industriestraße 18
 4700 Eupen, Belgique
 Tél. : +32 87 59 53 00
 Fax. : +32 87 74 02 03
 E-Mail : info.be@jumo.net
 Internet : www.jumo.be

JUMO Schweiz AG
 Laubisrütistrasse 70
 8712 Stäfa, Suisse
 Tél. : +41 44 928 24 44
 Fax. : +41 44 928 24 48
 E-Mail : info.ch@jumo.net
 Internet : www.jumo.ch



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

JUMO GmbH & Co. KG
 Adresse de livraison :
 Mackenrodtstraße 14
 36039 Fulda, Allemagne
 Adresse postale :
 36035 Fulda, Allemagne
 Tél. : +49 661 6003-0
 Fax. : +49 661 6003-607
 E-Mail : mail@jumo.net
 Internet : www.jumo.net

JUMO FRANCE
 7 rue des Drapiers
 B.P. 45200
 57075 Metz Cedex 3, France
 Tél. : +33 3 87 37 53 00
 E-Mail : info.fr@jumo.net
 Internet : www.jumo.fr

JUMO AUTOMATION
S.P.R.L. / P.G.M.B.H. / B.V.B.A
 Industriestraße 18
 4700 Eupen, Belgique
 Tél. : +32 87 59 53 00
 Fax. : +32 87 74 02 03
 E-Mail : info.be@jumo.net
 Internet : www.jumo.be

JUMO Schweiz AG
 Laubisrütistrasse 70
 8712 Stäfa, Suisse
 Tél. : +41 44 928 24 44
 Fax. : +41 44 928 24 48
 E-Mail : info.ch@jumo.net
 Internet : www.jumo.ch



Data Sheet 903530

Page 7 / 25

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, equipped 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, equipped 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 head) 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 head)
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 ; li :50mA ; Pi :250mW ; Ci=0nF ; Li=0mH - digital sensor : Ui :9V DC ; li :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

Execution 1: basic temperature probe (without fixation)

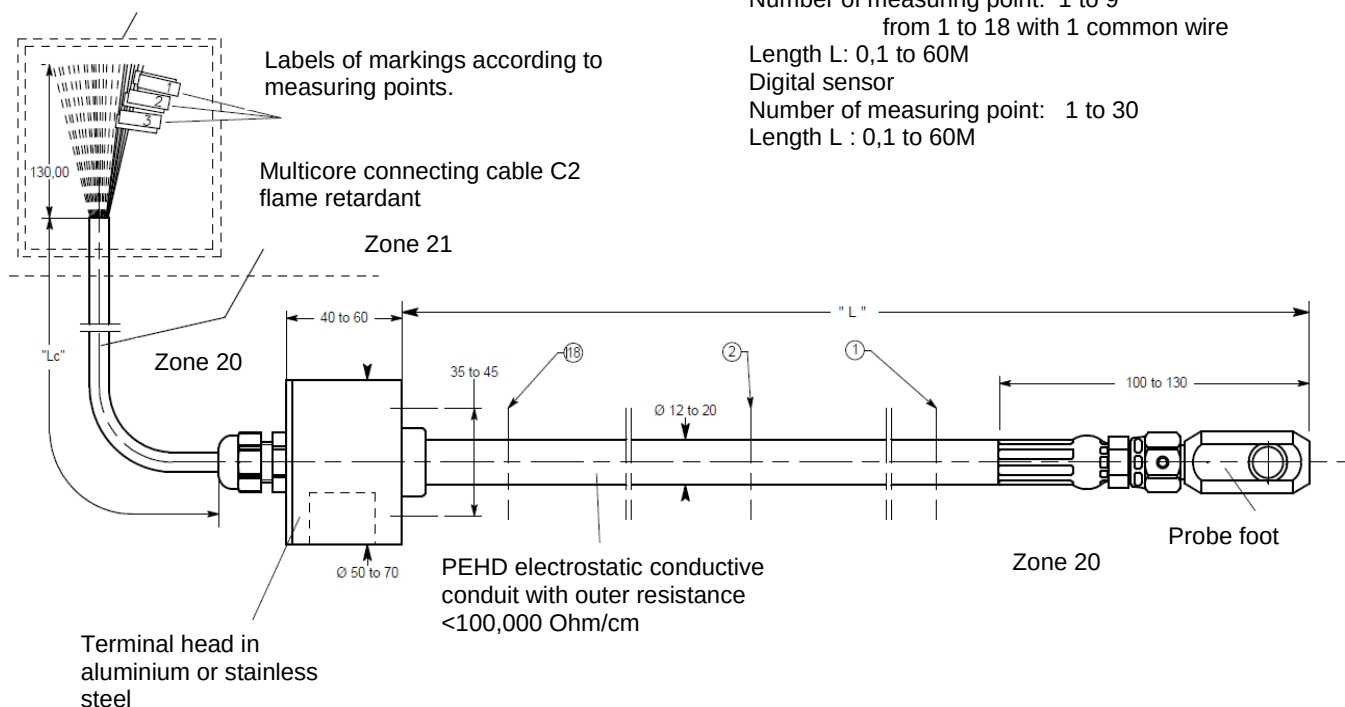
Basic type	903530/1
Execution	1 Basic temperature probe
Type of protection	11 Resistif sensor, type of protection Ex "i" 12 Digital sensor, type of protection Ex "i" 13 Resistif sensor, type of protection Ex "t" 14 Digital sensor, type of protection Ex "t"
Terminal head	Aluminium / stainless steel AISI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



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

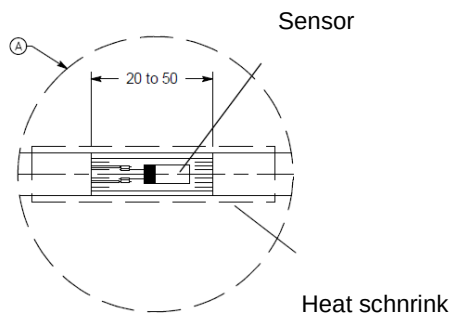
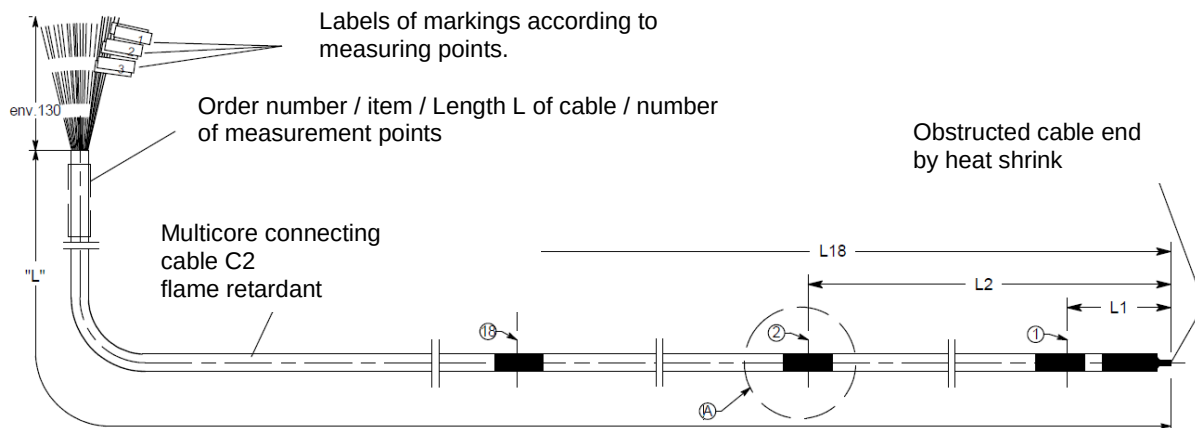
Technical data

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





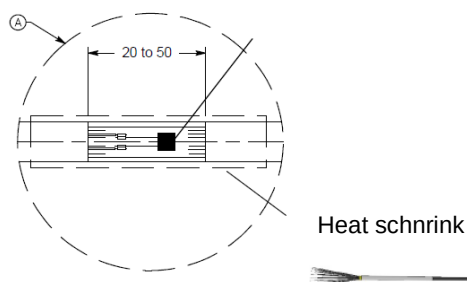
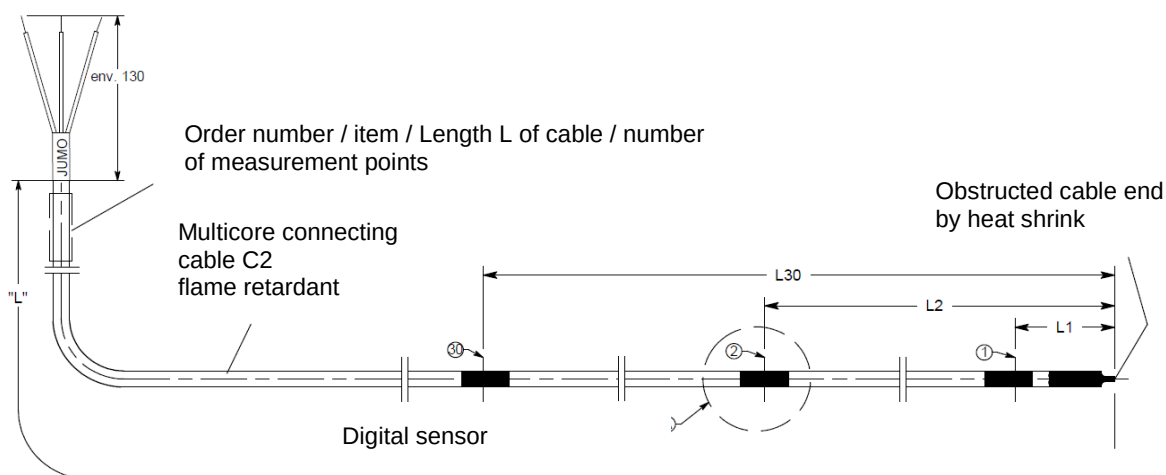
Repleceable resitif sensor



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

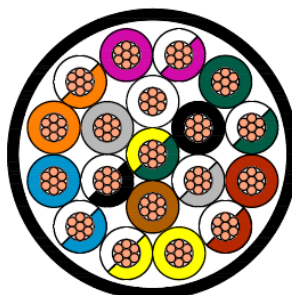
Length L: 0,1 to 60M
 Digital sensor
 Number of measuring point: : 1 to 30
 Length L : 0,1 to 60M

Connecting cable for silothermometry

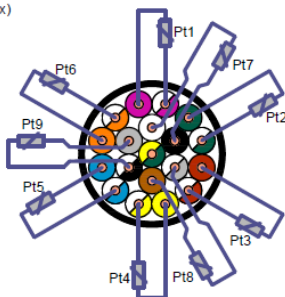
Identification of measurement points on connection cable:

Pt100 3 wires assembly / Pt1000 2 wires assembly

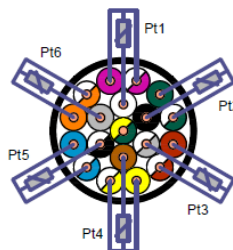
- | | |
|----------|------------------|
| ● BLACK | ● WHITE / BLACK |
| ● GREY | ● WHITE / GREY |
| ● RED | ● WHITE / RED |
| ● ORANGE | ● WHITE / ORANGE |
| ● YELLOW | ● WHITE / YELLOW |
| ● GREEN | ● WHITE / GREEN |
| ● BLUE | ● WHITE / BLUE |
| ● PURPLE | ● WHITE / PURPLE |
| ● BROWN | ● GREEN / YELLOW |
| ○ WHITE | |



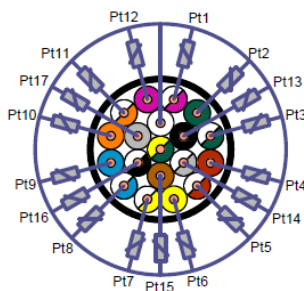
Assembly 2 wires
(9 points max)



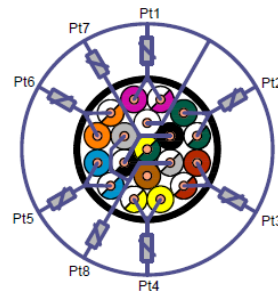
Assembly 3 wires
(6 points max)



Assembly 2 wires with a shared thread
(17 points max)

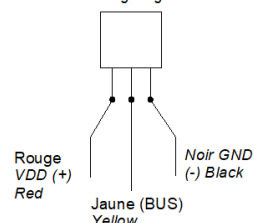


Assembly 3 wires with a shared thread
(7 points max)



Digital sensor

Connecting diagram



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 :

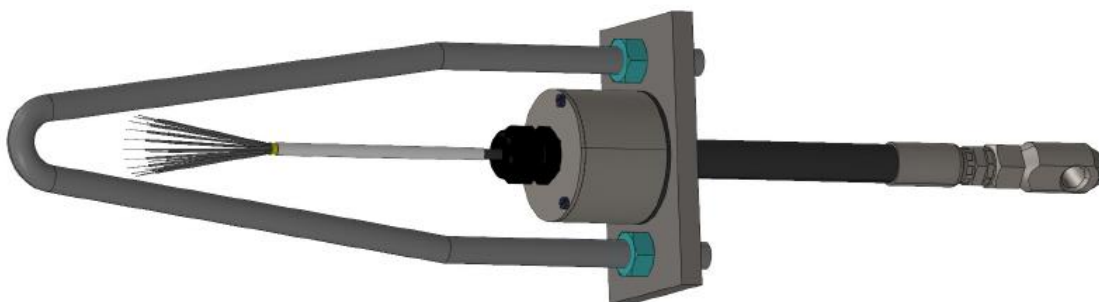
909740/99-635-4005-1-5,4-22

Connecting cable for multipoints temperature sensor, 8 points, Pt1000 2 wires, class B, length 22M

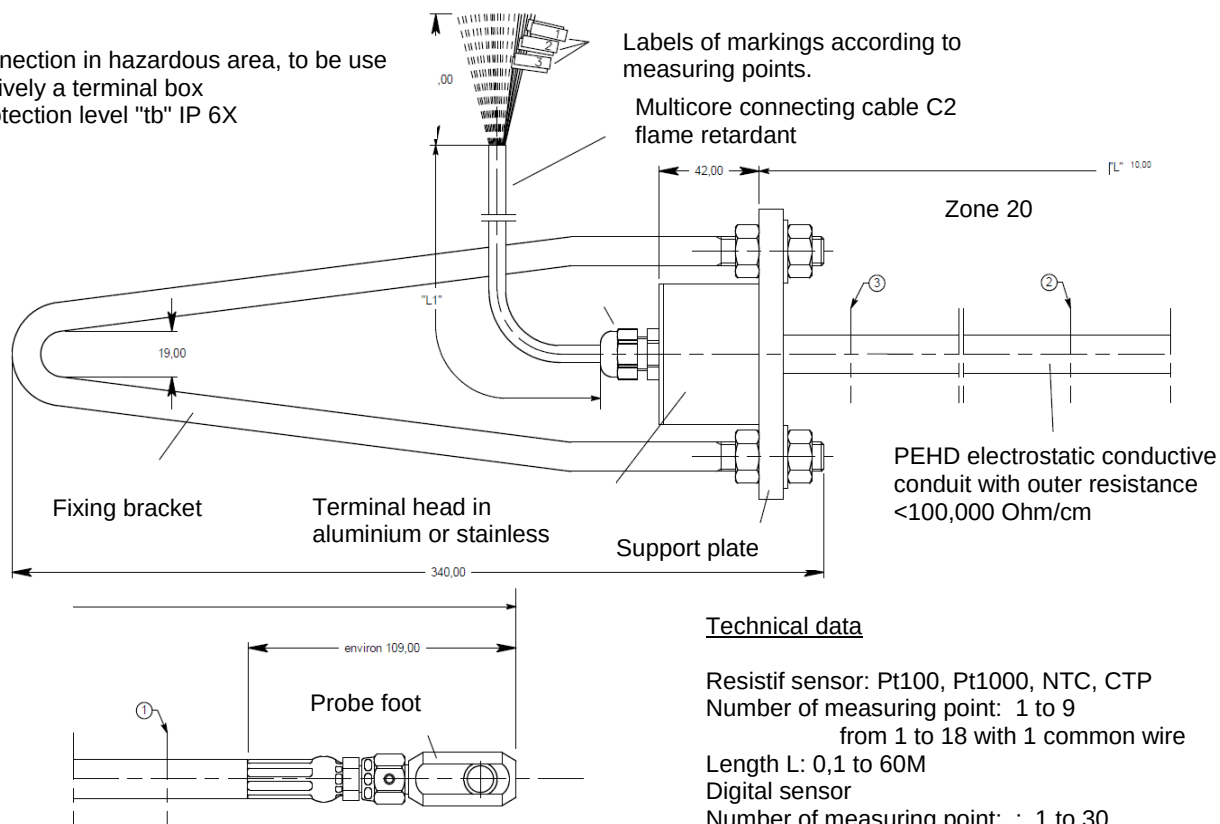
The measuring cable alone is not ATEX

Execution 2: execution for fastening on structure

Basic type	903530/2
Execution	2 Fastening on structure: exécution 1 + fixing bracket
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

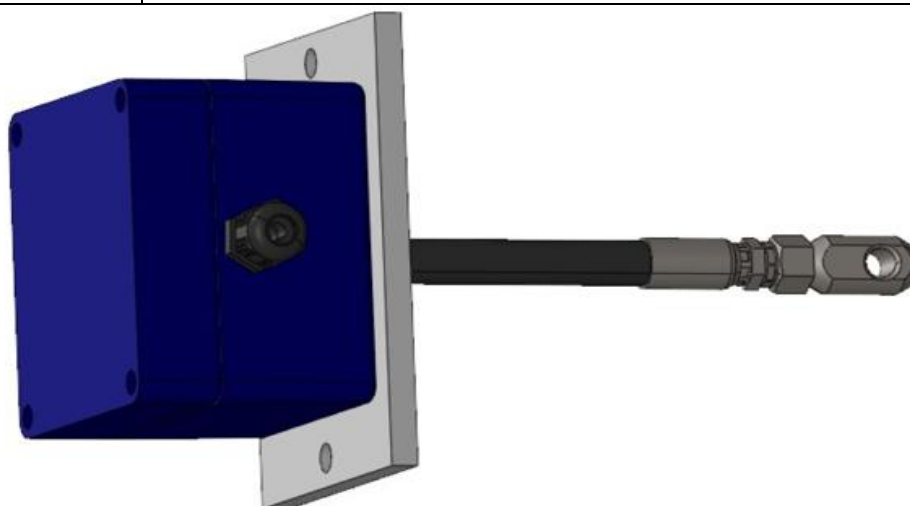


For connection in hazardous area, to be use imperatively a terminal box with protection level "tb" IP 6X

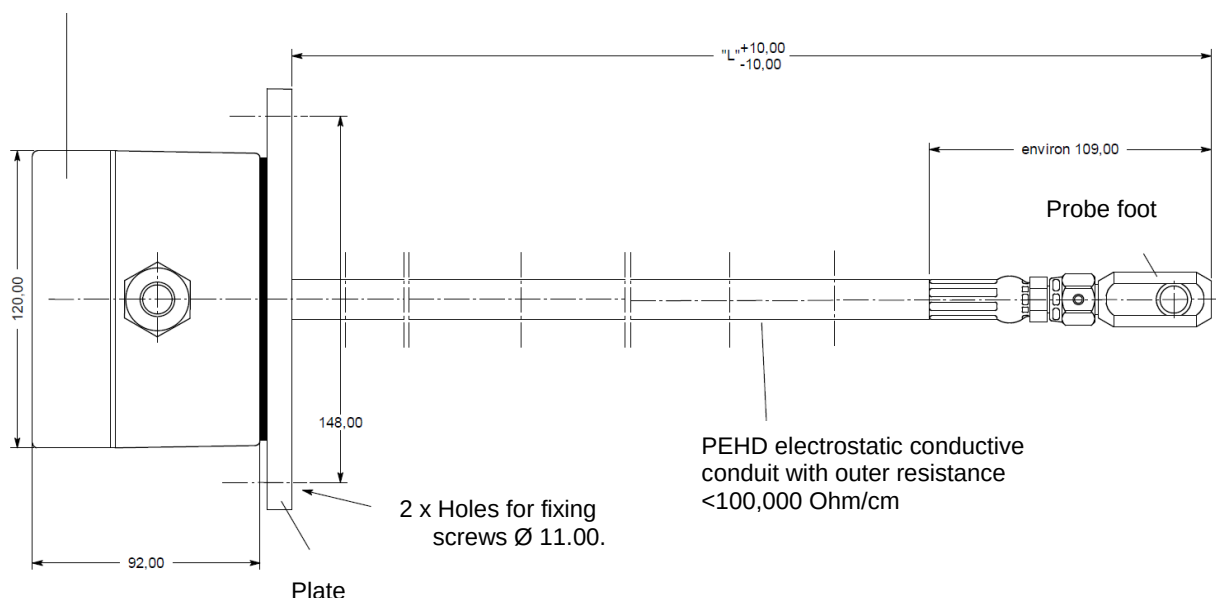


Execution 30: fastening on concrete slab + junction box

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

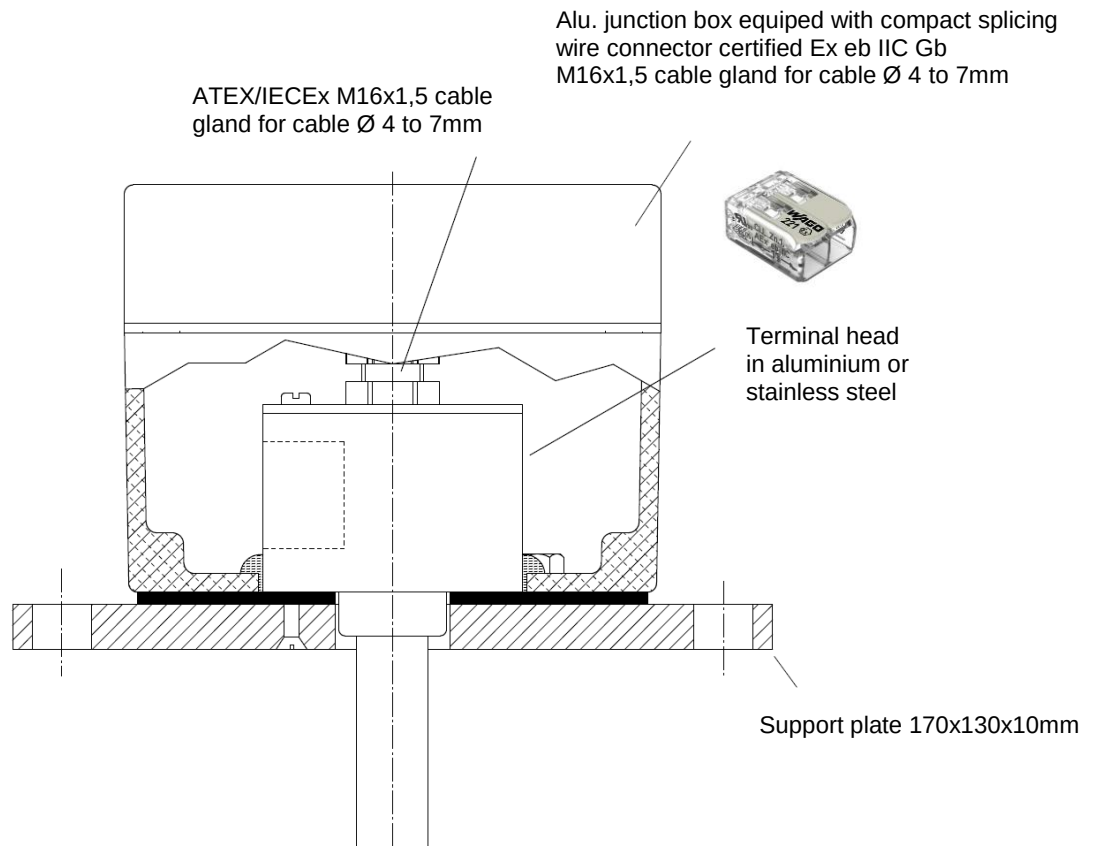


Alu. junction box equipped with + compact splicing
 wire connector certified Ex eb IIC Gb
 M16x1,5 cable gland for cable Ø 4 to 7mm





Execution 30: fastening on concrete slab + junction box

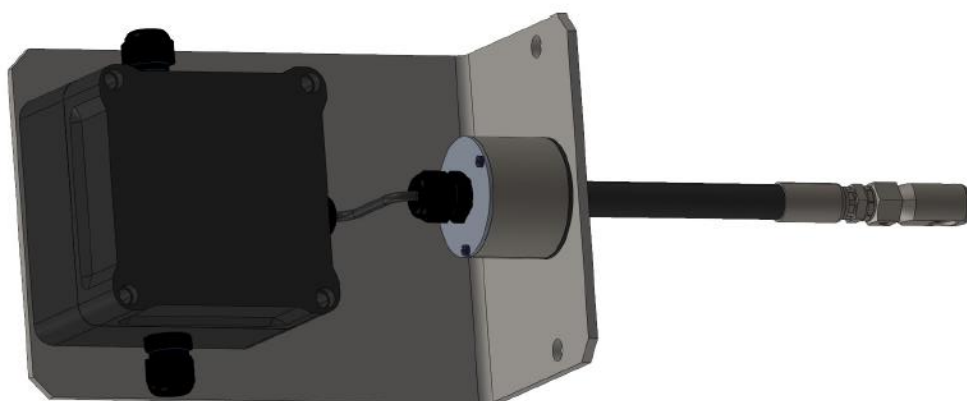


Technical data

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

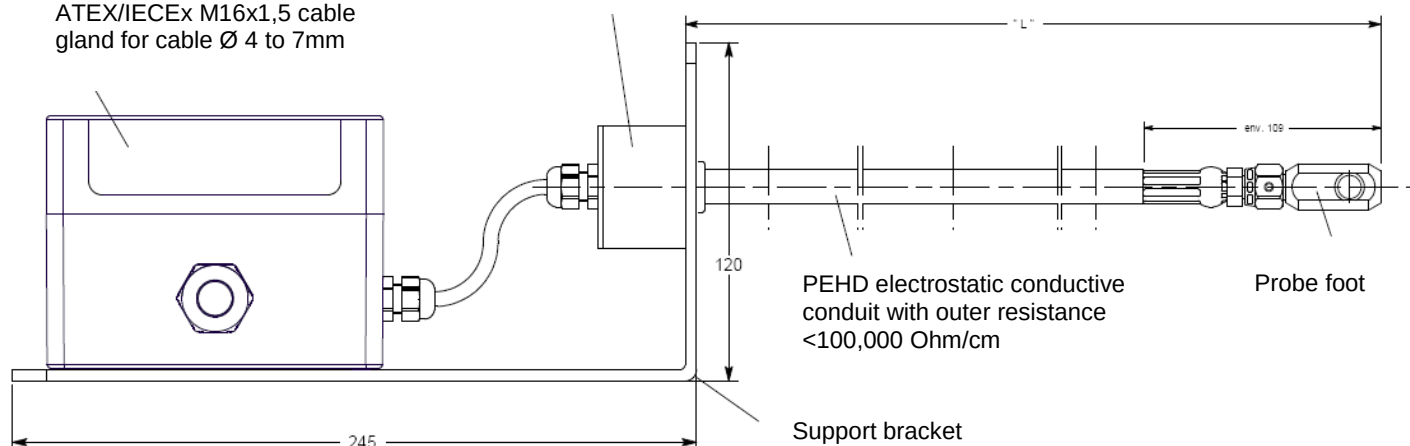
Execution 4: fastening on concrete slab - resistif sensor

Basic type	903530/4
Execution	4 Fastening on concrete slab: exécution 1 + fixing bracket + ATEX / IECEx Junction box, dim. 120x120x95, equipped 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, equipped 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



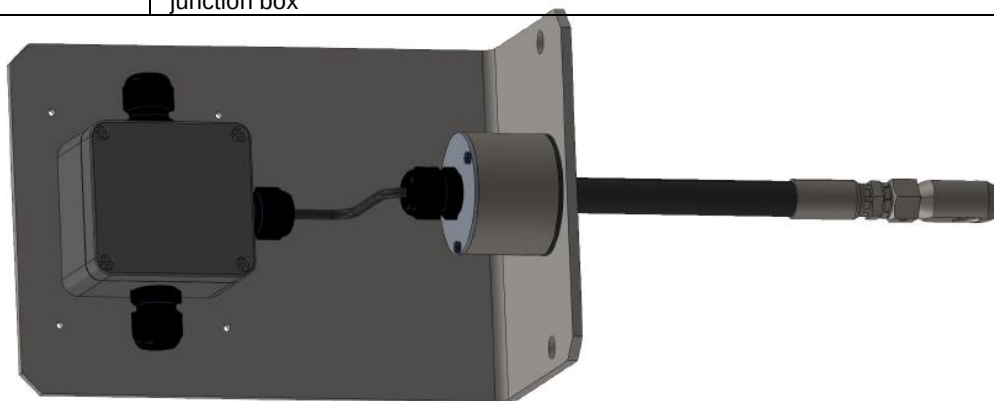
Technical data

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



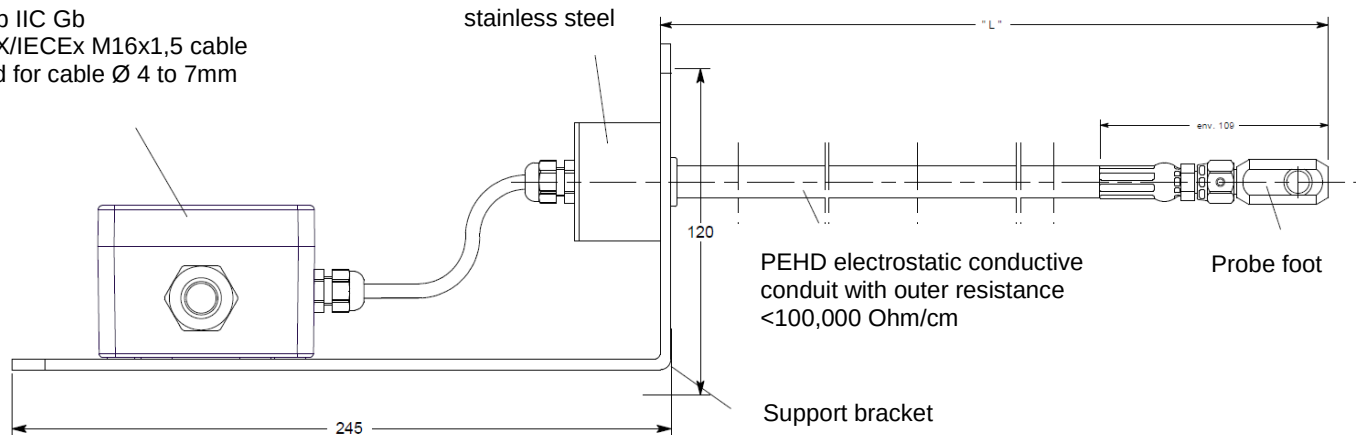
Execution 40: fastening on concrete slab – digital sensor

Basic type	903530/40
Execution	40 Fastening on concrete slab: exécution 1 + fixing bracket + ATEX / IECEx Junction box, dim. 80x75x55, equipped 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,
 equipped 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

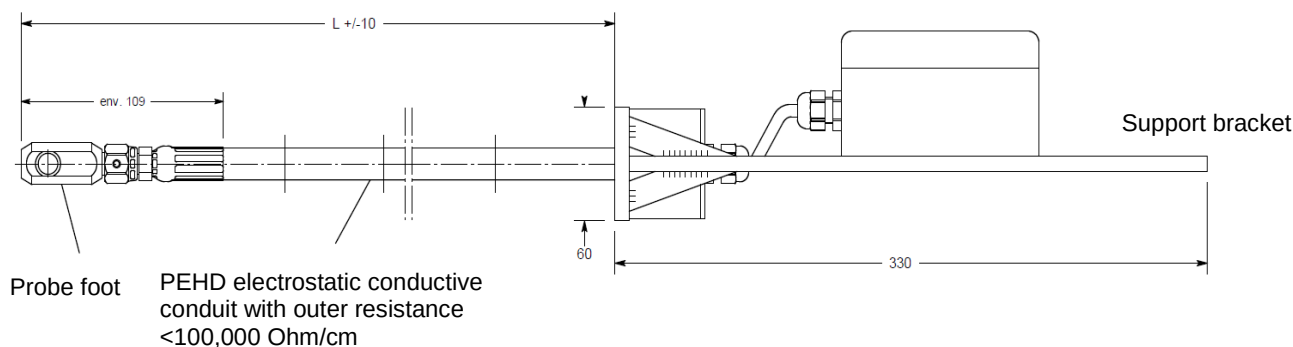
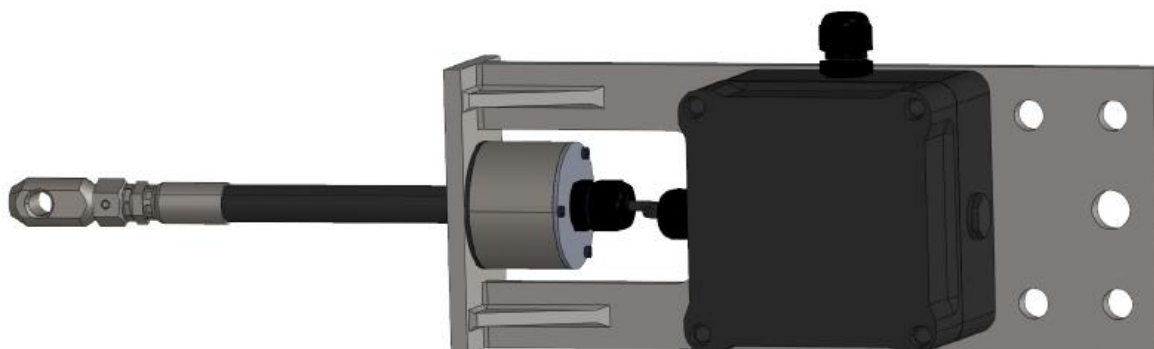


Technical data

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

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, equipped 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

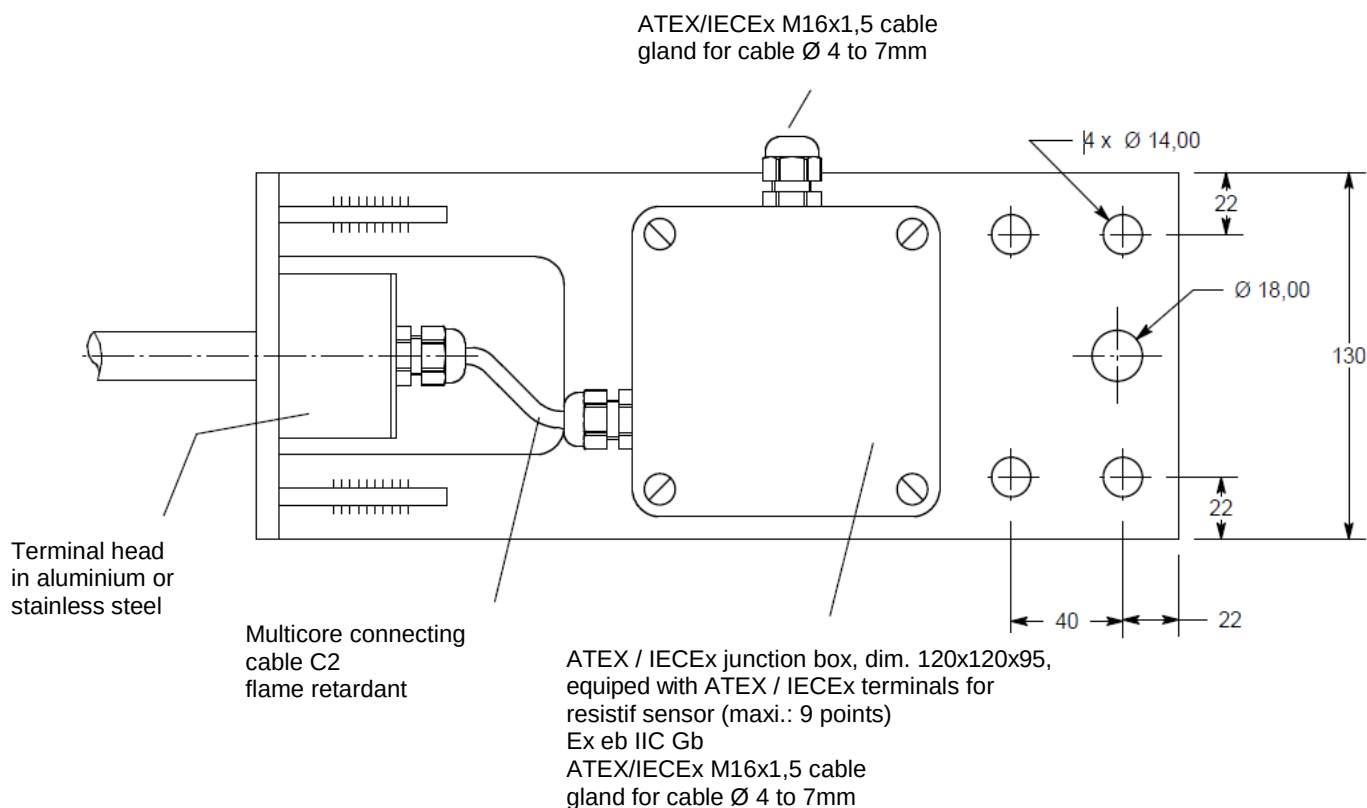


JUMO GmbH & Co. KG
 Adresse de livraison :
 Mackenrodtstraße 14
 36039 Fulda, Allemagne
 Adresse postale :
 36035 Fulda, Allemagne
 Tél. : +49 661 6003-0
 Fax. : +49 661 6003-607
 E-Mail : mail@jumo.net
 Internet : www.jumo.net

JUMO FRANCE
 7 rue des Drapiers
 B.P. 45200
 57075 Metz Cedex 3, France
 Tél. : +33 3 87 37 53 00
 E-Mail : info.fr@jumo.net
 Internet : www.jumo.fr

JUMO AUTOMATION
S.P.R.L. / P.G.M.B.H. / B.V.B.A
 Industriestraße 18
 4700 Eupen, Belgique
 Tél. : +32 87 59 53 00
 Fax. : +32 87 74 02 03
 E-Mail : info.be@jumo.net
 Internet : www.jumo.be

JUMO Schweiz AG
 Laubisrütistrasse 70
 8712 Stäfa, Suisse
 Tél. : +41 44 928 24 44
 Fax. : +41 44 928 24 48
 E-Mail : info.ch@jumo.net
 Internet : www.jumo.ch



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



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

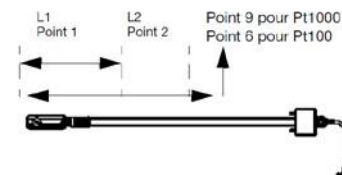
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)							
	-		-		-		-		/					
903530/1	-	13	-	1005	-	5	-	20	-	10	-	04	/	372



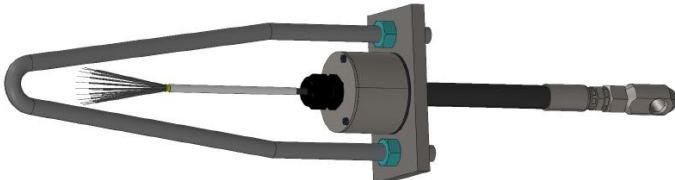
Unless otherwise stated, the measurement points are spaced at equal distances along the length of the dip, starting at the foot of the probe. Otherwise, please specify the exact length between each measurement point and the foot of the probe

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

Pied de sonde





(1) Basic type		
903530/2		
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

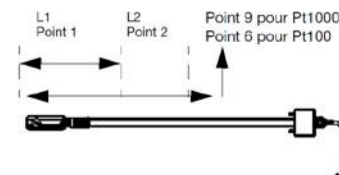
(1) (2) (3) (4) (5) (6) (7) (8)
903530/2 - 13 - 1005 - 5 - 20 - 10 - 04 / 372



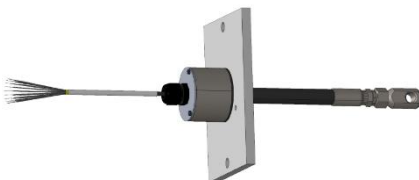
Unless otherwise stated, the measurement points are spaced at equal distances along the length of the dip, starting at the foot of the probe. Otherwise, please specify the exact length between each measurement point and the foot of the probe

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

Pied de sonde





(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

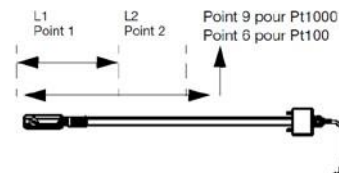
(1) (2) (3) (4) (5) (6) (7) (8)
 903530/2 - 13 - 1005 - 5 - 20 - 10 - 04 / 372



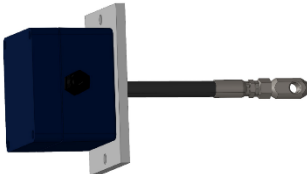
Unless otherwise stated, the measurement points are spaced at equal distances along the length of the dip, starting at the foot of the probe. Otherwise, please specify the exact length between each measurement point and the foot of the probe

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

Pied de sonde





(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

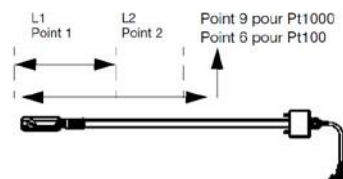
(1) (2) (3) (4) (5) (6) (7) (8)
 [] - [] - [] - [] - [] - [] - [] / []
 903530/30 - 13 - 1005 - 5 - 20 - 00 - 04 / 372



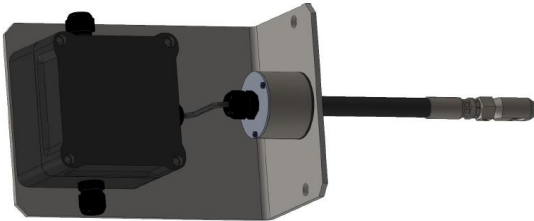
Unless otherwise stated, the measurement points are spaced at equal distances along the length of the dip, starting at the foot of the probe. Otherwise, please specify the exact length between each measurement point and the foot of the probe

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

Pied de sonde





(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

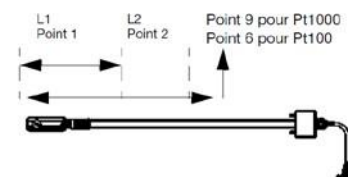
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)							
	-		-		-		/							
903530/4	-	13	-	1005	-	5	-	20	-	00	-	04	/	372



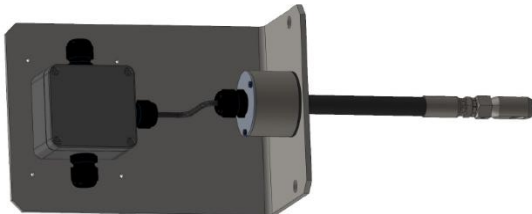
Unless otherwise stated, the measurement points are spaced at equal distances along the length of the dip, starting at the foot of the probe. Otherwise, please specify the exact length between each measurement point and the foot of the probe

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

Pied de sonde





		(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

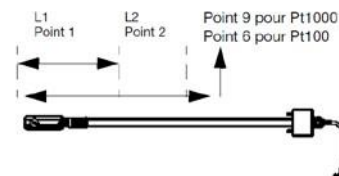
(1) (2) (3) (4) (5) (6) (7) (8)
903530/40 - 13 - 1560 - 5 - 20 - 00 - 04 / 372



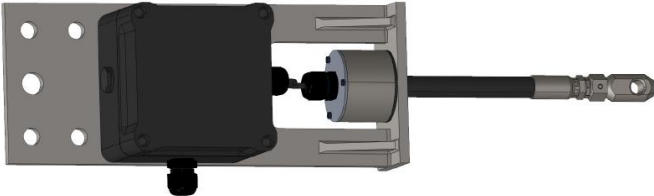
Unless otherwise stated, the measurement points are spaced at equal distances along the length of the dip, starting at the foot of the probe. Otherwise, please specify the exact length between each measurement point and the foot of the probe

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

Pied de sonde





(1) Type de base		
9035030/5		Execution 5: Fastening on concrete slab: execution 1 + fixing bracket + ATEX / IECCEx Junction box, dim. 120x120x95, equipped 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	IECEEx 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



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

