

Level instruments

Point level measurement - Electro-mechanical switches

SITRANS LPS200

Overview



SITRANS LPS200 is a rotary paddle switch for point level detection in bulk solids.

Benefits

- Proven paddle switch technology for bulk solids
- High integrity mechanical seal
- Optional switch selectable power supply
- Unique friction clutch mechanism
- Rotatable enclosure
- Optional paddle for use with low density materials
- Simple installation through existing process connection
- High temperature model and optional extension kit available
- Optional fail-safe configuration

Application

The paddle switch technology detects full, empty or demand conditions on materials such as grain, feed, cement, plastic granulate and wood chips. The paddle switch can handle bulk densities as low as 15 g/l (2.19 lb/ft³) with the optional hinged vane or 100 g/l (6.25 lb/ft³) with the standard measuring vane.

A low revolution geared motor with slip clutch drives a rotating measuring vane which senses the presence of material at the mounted level of the LPS200. As material comes into contact with the rotating paddle, rotation stops, which changes the microswitch state. When the paddle is no longer covered by material, rotation resumes and the relay reverts to its normal condition.

The LPS200 has a rugged design for use in harsh conditions in the solids industry. The sensitivity of the paddle can be adjusted for varying material properties like buildup on the vane.

The LPS200 comes in a variety of configurations including compact, extended and cable extension. It is equipped with a standard vane which is effective in most applications, but can be configured with a hinged or rectangular vane for increased sensitivity for light materials.

- Key Applications: bulk solids such as grain, feed, cement, plastic granulate, wood chips

Technical specifications

Mode of operation

Measuring principle Rotating point level switch

Input

Measured variable High and low and demand

Output

Output signal

- Alarm output Microswitch 5 A at 250 V AC, non inductive
Microswitch SPDT contact 4 A at 30 V DC, non-inductive
- Pickup delay Standard (1 rpm model): approx 1.3 seconds
Optional process applications (5 rpm model): approx. 0.26 seconds

Sensitivity

Adjustable via reset force of spring or geometry of measuring vane

Rated operating conditions

Installation conditions

- Location Indoor/outdoor

Ambient conditions

- Ambient temperature -20 to +60 °C (-4 to +140 °F)
- Installation category III
- Pollution degree 2

Medium conditions

Bulk solids

Temperature

- Standard -20 to +80 °C (-4 to +176 °F)
- Optional -20 to +350 °C (-4 to +662 °F)

Pressure (vessel)

- Standard Max. 0.5 bar (7.25 psi)
- Optional Max. 10 bar (145 psi)

Minimum material density

- Standard measuring vane • Can detect down to 100 g/l (6.25 lb/ft³)
- Optional measuring vane • Can detect down to 15 g/l (2.19 lb/ft³)

Design

Material

- Enclosure Epoxy coated aluminum
- Process connection, measuring shaft and vane Stainless steel or aluminum

Process connection

Thread NPT, BSP and flange options

Degree of protection

IP65/Type 4/NEMA 4

Conduit entry

2 x M20x1.5 or 2 x ½" NPT

Power supply

- Jumper selectable
 - 115 V AC, ± 15%, 50 to 60 Hz, 4 VA or 230 V AC, ± 15%, 50 Hz, 6 VA, or 48 V AC, or 24 V AC
 - or 24 V DC, ± 15%, 2.5 W

Certificates and approvals

- CSA/FM General Purpose
- CE
- CSA/FM Dust Ignition Proof
- ATEX II 1/2 D
- C-TICK



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Selection and Ordering data	Order No.
SITRANS LPS200, compact Rotary paddle switch for level detection in bulk solids • Compact design for side or top mounted applications	7ML5725- ■■■■■-■■■0
Process temperature Up to +80 °C (+176 °F) Up to +150 °C (+302 °F) Up to +250 °C (+482 °F) Up to +350 °C (+662 °F) ¹⁾ Up to +80 °C (+176 °F) basic version aluminum ^{2) 3)} ▶ Up to +80 °C (+176 °F) basic version stainless steel ^{2) 4)} ▶	1 2 3 4 5 6
Power supply 230 V AC, 1 rev/min. ▶ 230 V AC, 1 rev/min., fail-safe 230 V AC, 5 rev/min. 230 V AC, 5 rev/min., fail-safe 115 V AC, 1 rev/min. ▶ 115 V AC, 1 rev/min., fail-safe 115 V AC, 5 rev/min. 115 V AC, 5 rev/min., fail-safe 48 V AC 24 V AC 24 V DC, 1 rev/min. 24 V DC, 1 rev/min., fail-safe 24 V DC, 5 rev/min. 24 V DC, 5 rev/min., fail-safe Switch selectable 230 V AC/115 V AC/24 V DC multivoltage, 1 rev/min. ▶ Switch selectable 230 V AC/115 V AC/24 V DC multivoltage, 5 rev/min.	A B C D E F G H J K L M N P Q R
Process connection <u>Threaded</u> G 1¼" [(BSPP), EN ISO 228-1] G 1" [(BSPP), EN ISO 228-1] G 1½" [(BSPP), EN ISO 228-1] ▶ 1" NPT [(Taper), ANSI/ASME B1.20.1] 1¼" NPT [(Taper), ANSI/ASME B1.20.1] ▶ 1½" NPT [(Taper), ANSI/ASME B1.20.1] <u>Flanged</u> DN 32 PN 6, EN1092-1 (1.4541/321) DN 100 PN 6, EN1092-1 (1.4541/321) DN 100 PN 16, EN1092-1 (1.4541/321) 2" ASME 150 lbs B16.5 (1.4541/321) 3" ASME 150 lbs B16.5 (1.4541/321) 4" ASME 150 lbs B16.5 (1.4541/321)	A B C D E F G H J K L M
Process pressure Up to 0.5 bar (7.25 psi) ▶ Up to 5 bar (72.5 psi) Up to 10 bar (145 psi)	1 2 3
Process connection material Aluminum ^{5) 6) 7)} ▶ Stainless steel 303 (1.4305) ▶	1 2
Extension length 100 mm (3.94") ^{B)} 150 mm (5.91") ▶ 200 mm (7.87") 250 mm (9.84") 300 mm (11.81")	1 2 3 4 5

Selection and Ordering data	Order No.
SITRANS LPS200, compact Rotary paddle switch for level detection in bulk solids • Compact design for side or top mounted applications	7ML5725- ■■■■■-■■■0
Measuring vane Boot shaped, 35 x 106 mm (1.38 x 4.17") ⁹⁾ ▶ Hinged vane, 65 x 210 mm (2.56 x 8.27") ⁹⁾¹⁰⁾ Boot shaped, 28 x 98 mm (1.10 x 3.86") Rectangular 50 x 150 mm (1.97 x 5.91") ¹¹⁾ Rectangular 50 x 250 mm (1.97 x 9.84") ¹¹⁾ Rectangular 98 x 150 mm (3.86 x 5.91") ¹¹⁾ Rectangular 98 x 250 mm (3.86 x 9.84") ¹¹⁾	A B C D E F G
Approvals CSA/FM Dust Ignition Proof, C-TICK ▶ ATEX II 1/2 D, C-TICK ▶ CSA/FM General Purpose, C-TICK CE, C-TICK ▶	A B C D
Further designs Please add "-Z" to Order No. and specify Order code(s). Heating of enclosure ^{12) 13)} Signal bulb inserted in M20 cable gland ¹²⁾ SITRANS LPS200 designed for food applications with shaft seal conforming to FDA standards	Order code A35 A20 K01
Additional instruction manual Multi-language This device is shipped with the Siemens Milltronics manual CD containing the complete ATEX Quick Start and instruction manual library.	Order No. 7ML1998-5FS62
Spare parts Motor gear /PLC, multi-voltage Replacement vane, boot shape, 35 x 106 mm (1.38 x 4.17") Hinged vane, 65 x 210 mm (2.56 x 8.27")	7ML1830-1KG 7ML1830-1KH 7ML1830-1KJ
Rigid extension kit (includes spring coupling, rigid tube extension and required pins) Extension: 500 mm, 400 mm, 300 mm (19.7", 15.8", 11.8") Extension: 1000 mm, 900 mm, 800 mm, 700 mm, 600 mm (39.4", 35.4", 31.5", 27.6", 23.6") Extension: 1500 mm, 1400 mm, 1300 mm, 1200 mm, 1100 mm (59.1", 55.1", 51.2", 47.2", 43.3")	7ML5711-0AA 7ML5711-1AA 7ML5711-2AA
Available ex stock SITRANS LPS200, compact for up to +80 °C (+176 °F), aluminum, with power supply A, process connection C, process pressure 1, process connection material 1, extension length 2, measuring vane A, and approval D SITRANS LPS200, compact for up to +80 °C (+176 °F), aluminum, with power supply E, process connection E, process pressure 1, process connection material 1, extension length 2, measuring vane A, and approval C	7ML5725-5AC11-2AD0 7ML5725-5EE11-2AC0



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Selection and Ordering data

Order No.

SITRANS LPS200, compact

Rotary paddle switch for level detection in bulk solids

- Compact design for side or top mounted applications

7ML5725-



0

SITRANS LPS200, compact for up to +80 °C (+176 °F), stainless steel, with power supply Q, process connection C, process pressure 1, process connection material 2, extension length 2, measuring vane A, and approval B

7ML5725-6QC12-2AB0

SITRANS LPS200, compact for up to +80 °C (+176 °F), stainless steel, with power supply Q, process connection E, process pressure 1, process connection material 2, extension length 2, measuring vane A, and approval A

7ML5725-6QE12-2AA0

- 1) Available with approval option C and D only, up to max. 0.8 bar
 - 2) Basic version is cost effective and offers fast delivery
 - 3) Available only with power supply option A and with process connection C, and approval D or power supply E with process connection E, and approval D, and then process pressure 1, process connection material 1, extension length 2, measuring vane A
 - 4) Available only with power supply option Q, process connection C with approval B or process connection E with approval A, process pressure 1, process connection material 2, extension length 2 and measuring vane A
 - 5) Available with process connections A to F only
 - 6) Available with process pressure option 1 only
 - 7) Available with process temperature option 1 only
 - 8) Available with measuring vane options A, C to G, only
 - 9) Add 16 mm (0.63") to extension length
 - 10) Available with extension length options 2 to 5 only
 - 11) Available with process connections G, H, J to M, only
 - 12) Available with approval options C, D only
 - 13) Available with power supply options A to H, J to N, P only
- Available ex stock.





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SITRANS LPS200

Selection and Ordering data	Order No.	Selection and Ordering data	Order No.
SITRANS LPS200, cable extension Rotary paddle switch for level detection in bulk solids Cable extension for increased length in top-mounted applications	7 ML 5 7 2 7 - 	SITRANS LPS200, cable extension Rotary paddle switch for level detection in bulk solids Cable extension for increased length in top-mounted applications	7 ML 5 7 2 7 - 
Process temperature Up to +80 °C (+176 °F) Up to +150 °C (+302 °F) Up to +250 °C (+482 °F) Up to +350 °C (+662 °F) ¹⁾	1 2 3 4	Measuring vane Boot shaped, 35 x 106 mm (1.38 x 4.17") ⁵⁾ Hinged vane, 65 x 210 mm (2.56 x 8.27") ⁵⁾ Boot shaped, 28 x 98 mm (1.10 x 3.86") Rectangular 50 x 150 mm (1.97 x 5.91") ⁶⁾ Rectangular 50 x 250 mm (1.97 x 9.84") ⁶⁾ Rectangular 98 x 150 mm (3.86 x 5.91") ⁶⁾	A B C D E F
Power supply 230 V AC, 1 rev/min. 230 V AC, 1 rev/min., fail-safe 230 V AC, 5 rev/min. 230 V AC, 5 rev/min., fail-safe 115 V AC, 1 rev/min. 115 V AC, 1 rev/min., fail-safe 115 V AC, 5 rev/min. 115 V AC, 5 rev/min., fail-safe 48 V AC 24 V AC 24 V DC, 1 rev/min. 24 V DC, 1 rev/min., fail-safe 24 V DC, 5 rev/min. 24 V DC, 5 rev/min., fail-safe Switch selectable 230 V AC/115 V AC/24 V DC multivoltage, 1 rev/min. Switch selectable 230 V AC/115 V AC/24 V DC multivoltage, 5 rev/min.	A B C D E F G H J K L M N P Q R	Approvals CSA/FM Dust Ignition Proof, C-TICK ATEX II 1/2 D, C-TICK CSA/FM General Purpose, C-TICK CE, C-TICK	A B C D
Process connection <u>Threaded</u> G 1¼" [(BSPP), EN ISO 228-1] G 1½" [(BSPP), EN ISO 228-1] 1¼" NPT [(Taper), ANSI/ASME B1.20.1] 1½" NPT [(Taper), ANSI/ASME B1.20.1] <u>Flanged</u> DN 32 PN 6, EN1092-1 (1.4541/321) DN 100 PN 6, EN1092-1 (1.4541/321) DN 100 PN 16, EN1092-1 (1.4541/321) 2" ASME 150 lbs B16.5 (1.4541/321) 3" ASME 150 lbs B16.5 (1.4541/321) 4" ASME 150 lbs B16.5 (1.4541/321)	A B C D E F G H J K	Further designs Please add "-Z" to Order No. and specify Order code(s). Total insertion length: Enter the total insertion length in plain text description, max. 10000 mm (393.70") Reinforced cable (max. 28 kN pulling force) Heating of enclosure ^{7) 8)} Signal bulb inserted in M20 cable gland ⁷⁾	Order code Y01 P01 A35 A20
Process pressure Up to 0.5 bar (7.25 psi) Up to 5 bar (72.5 psi) Up to 10 bar (145 psi)	1 2 3	Additional instruction manual Multi-language This device is shipped with the Siemens Milltronics manual CD containing the complete ATEX Quick Start and instruction manual library.	Order No. 7ML1998-5FS62
Process connection material Aluminum ^{2) 3) 4)} Stainless steel 303 (1.4305)	1 2	Spare parts Motor gear /PLC, multi-voltage Replacement vane, boot shape, 35 x 106 mm (1.38 x 4.17") Hinged vane, 65 x 210 mm (2.56 x 8.27") Rope extension kit, 2 m (6.56 ft)	7ML1830-1KG 7ML1830-1KH 7ML1830-1KJ 7ML1830-1KK
Cable extension length Standard cable length, 2000 mm (78.74") Add order code Y01 and plain text: "Insertion length ... mm" 500 to 1000 mm (19.69 to 39.37") Cable length 1001 to 2000 mm (39.41 to 78.74") Cable length 2001 to 3000 mm (78.78 to 118.11") Cable length 3001 to 4000 mm (118.15 to 157.48") Cable length 4001 to 5000 mm (157.52 to 196.85") Cable length 5001 to 6000 mm (196.89 to 236.22") Cable length 6001 to 7000 mm (236.26 to 275.59") Cable length 7001 to 10000 mm (275.63 to 393.70")	0 1 2 3 4 5 6 7 8	Available ex stock SITRANS LPS200, cable extension for up to +80 °C (+176 °F), power supply Q, process connection B, process pressure 1, process connection material 2, extension length 0, measuring vane A, and approval B SITRANS LPS200, cable extension for up to +80 °C (+176 °F), power supply Q, process connection C, process pressure 1, process connection material 2, extension length 0, measuring vane A, and approval A	7ML5727-5QB12-0AB0 7ML5727-5QC12-0AA0

- 1) Available with approval option C and D only, up to max. 0.8 bar
- 2) Available with process connections A to F only
- 3) Available with process pressure option 1 only
- 4) Available with process temperature option 1 only
- 5) Add 16 mm (0.63") to extension length
- 6) Available with process connections E to H, J, K, only
- 7) Available with approval options C, D only
- 8) Available with power supply options A to H, J to N, and P, only

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Point level measurement - Electro-mechanical switches

SITRANS LPS200

Selection and Ordering data	Order No.
SITRANS LPS200, angled extension Rotary paddle switch with robust design for level detection in bulk solids Angled extension designed to avoid falling material in side mount applications	7ML5728 - ■■■■■ - ■■■■ 0
Process temperature Up to +80 °C (+176 °F) Up to +150 °C (+302 °F) Up to +250 °C (+482 °F)	1 2 3
Power supply 230 V AC, 1 rev/min. 230 V AC, 1 rev/min., fail-safe 230 V AC, 5 rev/min. 230 V AC, 5 rev/min., fail-safe 115 V AC, 1 rev/min. 115 V AC, 1 rev/min., fail-safe 115 V AC, 5 rev/min. 115 V AC, 5 rev/min., fail-safe 48 V AC 24 V AC 24 V DC, 1 rev/min. 24 V DC, 1 rev/min., fail-safe 24 V DC, 5 rev/min. 24 V DC, 5 rev/min., fail-safe Switch selectable 230 V AC/115 V AC/24 V DC multivoltage, 1 rev/min. Switch selectable 230 V AC/115 V AC/24 V DC multivoltage, 5 rev/min.	A B C D E F G H J K L M N P Q R
Process connection <u>Flanged</u> DN 100 PN 6, EN1092-1 (1.4541/321) DN 100 PN 16, EN1092-1 (1.4541/321) 4" ASME 150 lbs B16.5 (1.4541/321)	A B C
Process pressure Up to 0.5 bar (7.25 psi) Up to 5 bar (72.5 psi) Up to 10 bar (145 psi)	1 2 3
Process connection material Stainless steel 303 (1.4305)	1
Extension length 125 mm (4.92") 150 mm (5.91") 200 mm (7.87") 250 mm (9.84") 300 mm (11.81")	1 2 3 4 5
Measuring vane Rectangular vane, 50 x 98 mm (1.97 x 3.86") Rectangular vane, 50 x 150 mm (1.97 x 5.91") Rectangular vane, 50 x 250 mm (1.97 x 9.84") Rectangular vane 98 x 150 mm (3.86 x 5.91") Rectangular vane 98 x 250 mm (3.86 x 9.84") Hinged vane, 65 x 210 mm (2.56 x 8.27")	A B C D E F
Approvals CSA/FM Dust Ignition Proof, C-TICK ATEX II 1/2 D, C-TICK CSA/FM General Purpose, C-TICK CE, C-TICK	A B C D

Selection and Ordering data	Order No.
SITRANS LPS200, angled extension Rotary paddle switch with robust design for level detection in bulk solids Angled extension designed to avoid falling material in side mount applications	7ML5728 - ■■■■■ - ■■■■ 0
Further designs Please add "-Z" to Order No. and specify Order code(s). Heating of enclosure ^{1) 2)} Signal bulb inserted in M20 cable gland ¹⁾	Order code A35 A20
Additional instruction manual Multi-language This device is shipped with the Siemens Milltronics manual CD containing the complete ATEX Quick Start and instruction manual library.	Order No. 7ML1998-5FS62
Spare parts Motor gear /PLC, multi-voltage Replacement vane, boot shape, 35 x 106 mm (1.38 x 4.17") Hinged vane, 65 x 210 mm (2.56 x 8.27")	7ML1830-1KG 7ML1830-1KH 7ML1830-1KJ

¹⁾ Available with approval options C, D only

²⁾ Available with power supply options A to H, J to N, P only



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Selection and Ordering data	Order No.	Selection and Ordering data	Order No.
SITRANS LPS200, rigid extension Rotary paddle switch for level detection in bulk solids	7ML5730- ■ ■ ■ ■ ■ - ■ ■ ■ ■ ■	SITRANS LPS200, rigid extension Rotary paddle switch for level detection in bulk solids	7ML5730- ■ ■ ■ ■ ■ - ■ ■ ■ ■ ■
Process temperature Up to +80 °C (+176 °F) Up to +150 °C (+302 °F) Up to +250 °C (+482 °F) Up to +350 °C (+662 °F) ¹⁾	1 2 3 4	Stainless steel 303 (1.4305) 165 to 500 mm (6.50 to 9.69") 501 to 750 mm (19.72 to 29.53") 751 to 1000 mm (29.57 to 39.37") 1001 to 1500 mm (39.41 to 59.05") 1501 to 2000 mm (59.09 to 78.74") 2001 to 2500 mm (78.78 to 98.42") 2501 to 3000 mm (98.46 to 118.11") 3001 to 4000 mm (118.14.78 to 157.48")	R S T U V W X Y
Power supply 230 V AC, 1 rev/min. 230 V AC, 1 rev/min., fail-safe 230 V AC, 5 rev/min. 230 V AC, 5 rev/min., fail-safe 115 V AC, 1 rev/min. 115 V AC, 1 rev/min., fail-safe 115 V AC, 5 rev/min. 115 V AC, 5 rev/min., fail-safe 48 V AC 24 V AC 24 V DC, 1 rev/min. 24 V DC, 1 rev/min., fail-safe 24 V DC, 5 rev/min. 24 V DC, 5 rev/min., fail-safe Switch selectable 230 V AC/115 V AC/24 V DC multivoltage, 1 rev/min. Switch selectable 230 V AC/115 V AC/24 V DC multivoltage, 5 rev/min.	A B C D E F G H J K L M N P Q R	Measuring vane Boot shaped, 35 x 106 mm (1.34 x 4.17") ⁶⁾ Hinged vane, 60 x 200 mm (2.36 x 7.87") Rectangular 50 x 150 mm (1.97 x 5.91") ⁷⁾ Rectangular 50 x 250 mm (1.97 x 9.84") ⁷⁾ Rectangular 98 x 150 mm (3.86 x 5.91") ⁷⁾ Rectangular 98 x 250 mm (3.86 x 9.84") ⁷⁾	A B C D E F
Process connection <u>Threaded</u> G 1¼" [(BSPP), EN ISO 228-1] G 1½" [(BSPP), EN ISO 228-1] 1¼" NPT [(Taper), ANSI/ASME B1.20.1] 1½" NPT [(Taper), ANSI/ASME B1.20.1] <u>Flanged</u> DN 32 PN 6, EN1092-1 (1.4541/321) DN 100 PN 6, EN1092-1 (1.4541/321) DN 100 PN 16, EN1092-1 (1.4541/321) 2" ASME 150 lbs B16.5 (1.4541/321) 3" ASME 150 lbs B16.5 (1.4541/321) 4" ASME 150 lbs B16.5 (1.4541/321)	A B C D E F G H J K	Approvals CSA/FM Dust Ignition Proof, C-TICK ATEX II 1/2 D, C-TICK CSA/FM General Purpose, C-TICK CE, C-TICK	1 2 3 4
Process pressure Up to 0.5 bar (7.25 psi) Up to 5 bar (72.5 psi) Up to 10 bar (145 psi)	1 2 3	Further designs Please add "-Z" to Order No. and specify Order code(s). Total insertion length: Enter the total insertion length in plain text description, max. 4000 mm (157.48") Heating of enclosure ^{8) 9)} Signal bulb inserted in M20 cable gland ⁸⁾ SITRANS LPS200 designed for food applications with shaft seal conforming to FDA standards Seal at tube end for ingress protection and shaft stability - Max. temperature +80 °C (+176 °F) - Max. temperature +150 °C (+302 °F) - Max. temperature +250 °C (+482 °F) - Max. temperature +350 °C (+662 °F)	Order code Y01 A35 A20 K01 P06 P07 P08 P09 P12 P13
Process connection material Aluminum ^{2) 3)} Stainless steel 303 (1.4305)	1 2	Additional instruction manual Multi-language	Order No. 7ML1998-5FS62
Extension material (protection tube) Aluminum ^{2) 4) 5)} Stainless steel 303 (1.4305)	0 1	This device is shipped with the Siemens Milltronics manual CD containing the complete ATEX Quick Start and instruction manual library.	
Extension length <u>Aluminum</u> 165 to 500 mm (6.50 to 9.69") 501 to 750 mm (19.72 to 29.53") 751 to 1000 mm (29.57 to 39.37") 1001 to 1250 mm (39.41 to 42.21") 1251 to 1500 mm (49.25 to 59.06") 1501 to 1750 mm (59.09 to 68.90") 1751 to 2000 mm (68.94 to 78.74") 2001 to 2250 mm (78.78 to 88.58") 2251 to 2500 mm (88.62 to 98.43") 2501 to 2750 mm (98.46 to 108.27") 2751 to 3000 mm (108.31 to 118.11") 3001 to 3250 mm (118.15 to 127.95") 3251 to 3500 mm (127.99 to 137.80") 3501 to 3750 mm (137.83 to 147.64") 3751 to 4000 mm (147.67 to 157.48")	A B C D E F G H J K L M N P Q	Spare parts Motor gear /PLC, multi-voltage Replacement vane, boot shape, 35 x 106 mm (1.38 x 4.17") Hinged vane, 65 x 210 mm (2.56 x 8.27")	7ML1830-1KG 7ML1830-1KH 7ML1830-1KJ

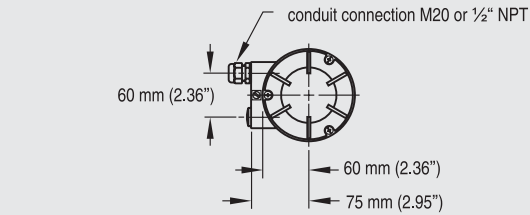
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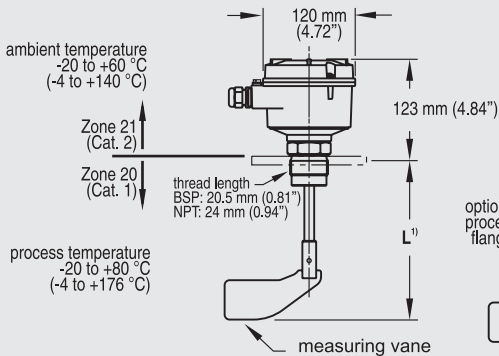
SITRANS LPS200

Dimensional drawings

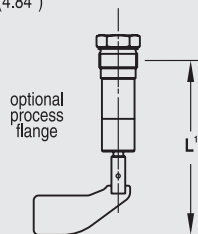
Standard model: compact version



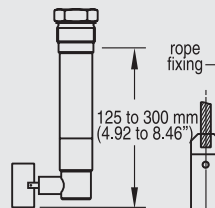
L = Length	
100 mm	3.94"
150 mm	5.91"
200 mm	7.87"
250 mm	9.84"
300 mm	11.81"



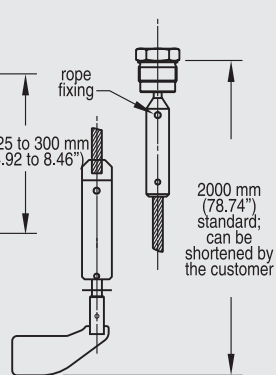
extended option



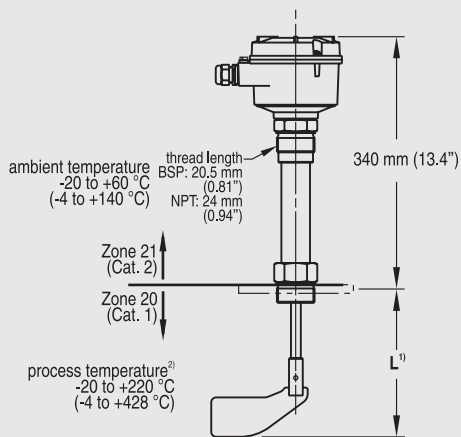
angle option



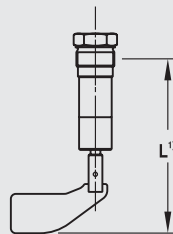
rope option



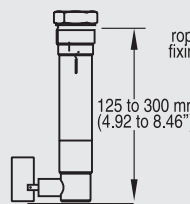
High Temperature Model: compact version



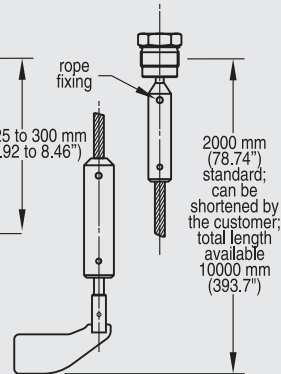
extended option



angle option

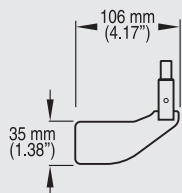


rope option

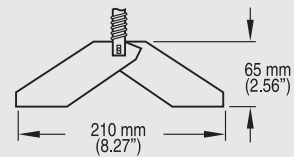
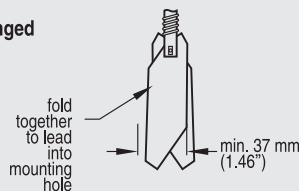


Measuring Vanes

Standard



Hinged



1. For 35 X 106 mm boot shaped and 65 X 210 mm hinged measuring vanes, add 16 mm to extension length.
2. For use with all approval options except CSA Class II. See manual for more details.

Notes

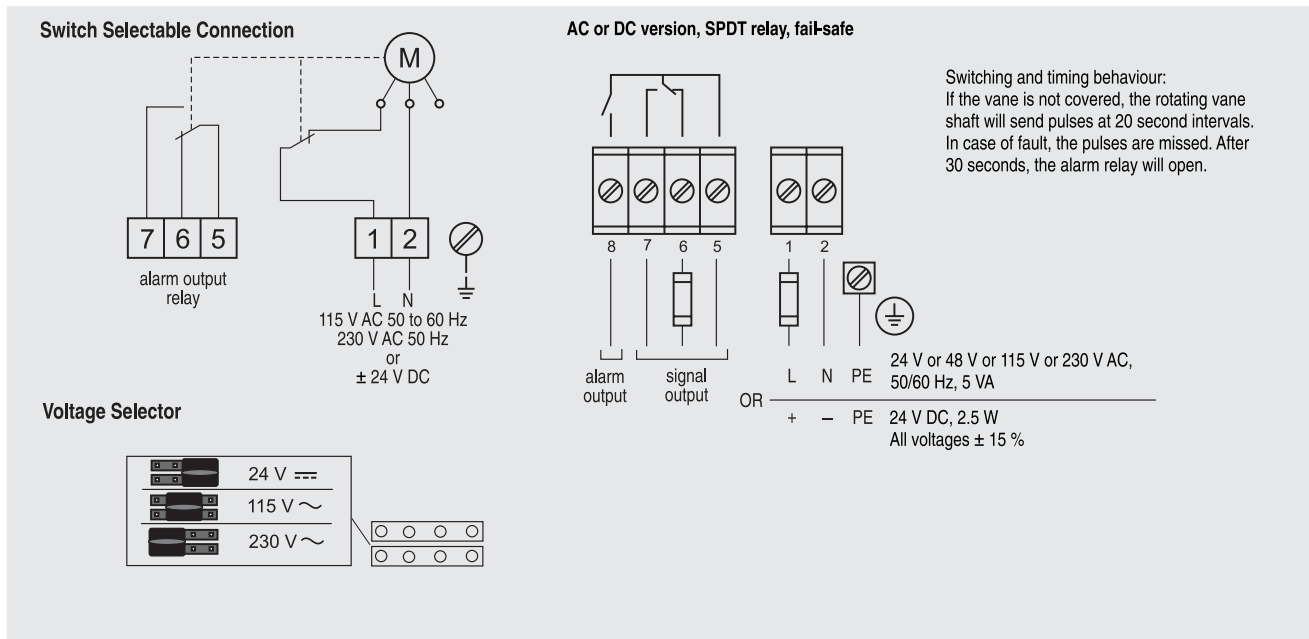
For heavy material, only top mounting of paddle switch is recommended.
Compact LPS200 is recommended for side mounting on bins for low or intermediate material levels.

Level instruments

Point level measurement - Electro-mechanical switches

SITRANS LPS200

Schematics



SITRANS LPS200 connections



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