

SILOMETRIC

Recommended tools



- Battery drill - screwdriver
- Tape measure
- 50 mm drill crown for polyester silos
- 43 mm drill crown for iron silos (*)
- Ratchet wrench with 8 and 10mm cup screws
- 8mm cup screw with shank for the screwdriver
- Inclinator can be useful for a better calibration



Logo

SIZE	Dwg Ref	Installation	REV
		Silometric	1
ISSUED	Aug 2019	SCALE 1:1	ProTen SHEET 1 OF 7

STEP 1:

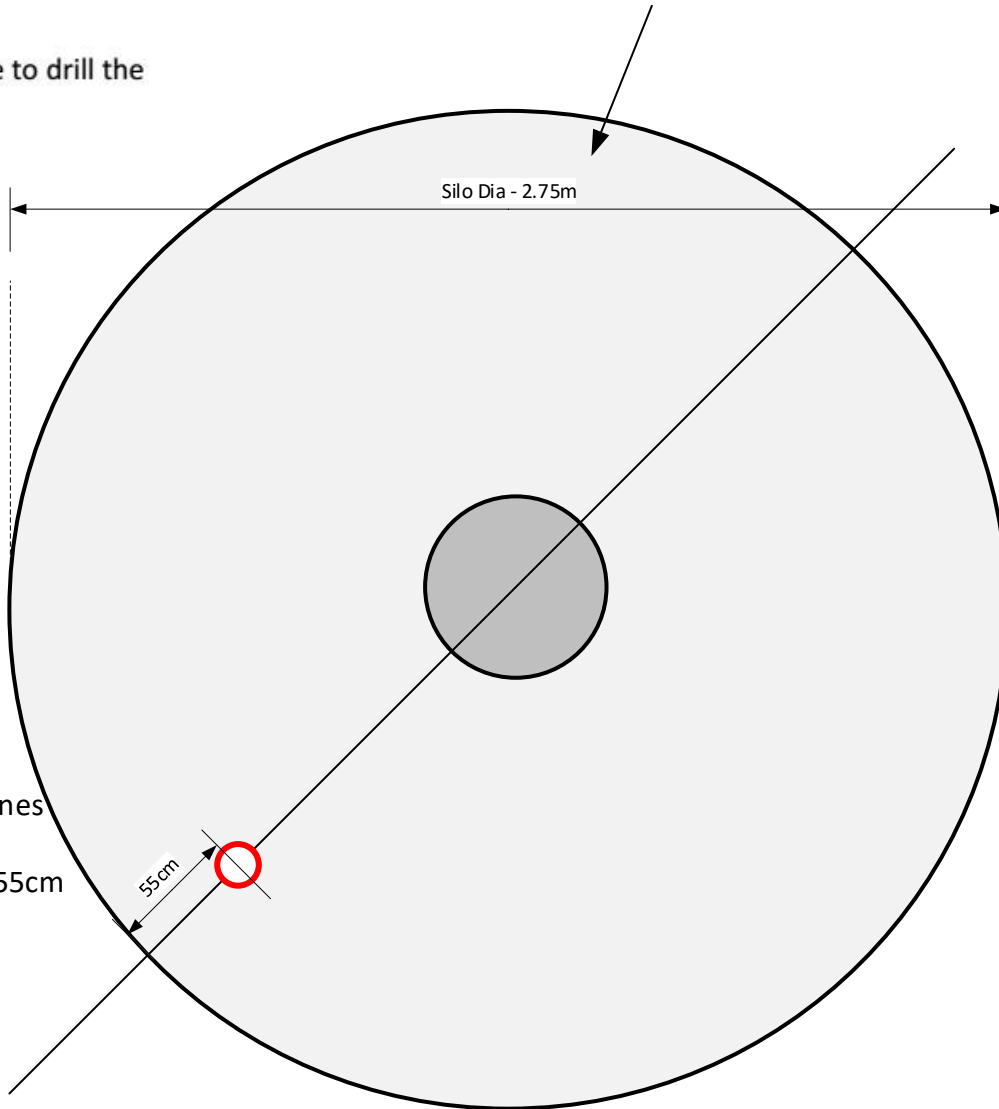
According to the diameter of the silo, we must drill with the crown at the recommended placement distance, starting from the point where the silo body ends and the upper cone begins, and place the Silometric next to the staircase of the silo.

Determine position of Sensor

Silo diameter (cm)	200	225	250	300	400	500	600	700
Drill distance (cm)	43	47	51	60	76	93	120	137
3 legs silos, distance between legs (cm)	231	260	289					

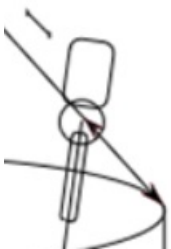
STEP 2:

Mark the place to drill the hole (*)



Diameter determines measurement
Eg - 2.75m Silo = 55cm

Upper diagonal



*Assess measurements and drill hole accordingly

*Hole Size - 43mm

Logo

DRAWN

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SIZE

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SCALE

1:1

Installation

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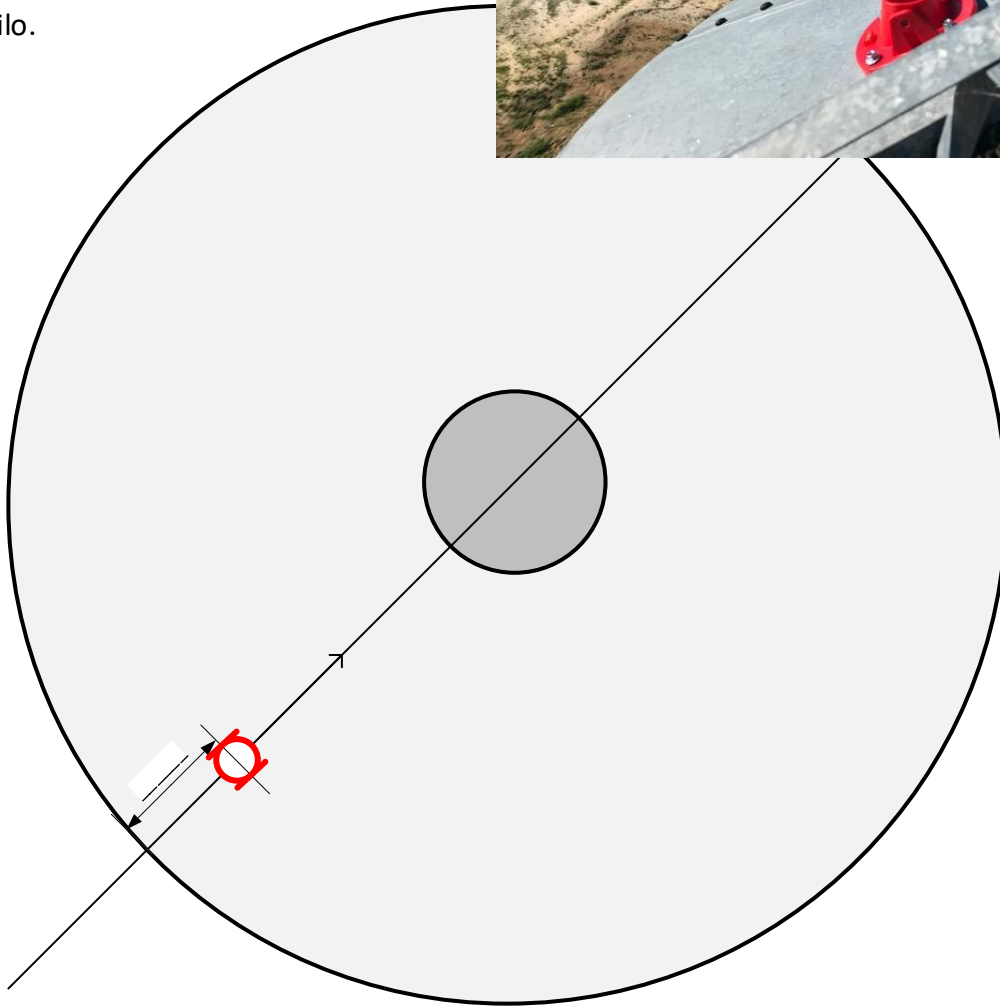
1

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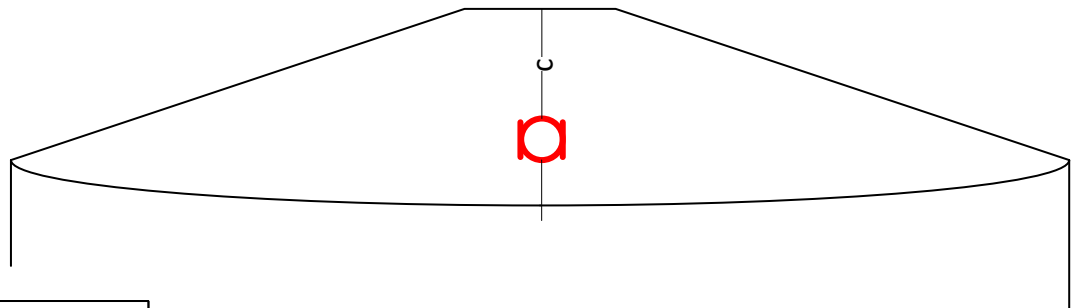
✘ STEP 3:

Remove sensor from mounting bracket

Mount bracket to Silo, ensure that tilt is inline with centre of Silo.



Install gasket & Do not over tighten!



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STEP 4:

The Silometric device is usually sent active and working, only the installation is required.

If your device was shipped by plane, probably the battery was disconnected for the journey. In that case, turn ¼ the top cover, connect the battery and close it back with ¼ of a turn. The arrows painted on the top cover and the support must be aligned.

Pay special attention with the wires when you close the cover again, preventing them of being in front of the laser sensor.



Remove sticker



10mm Spanner

Firmly tighten holding screws

Set required level before firmly tightening

Logo

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Installation

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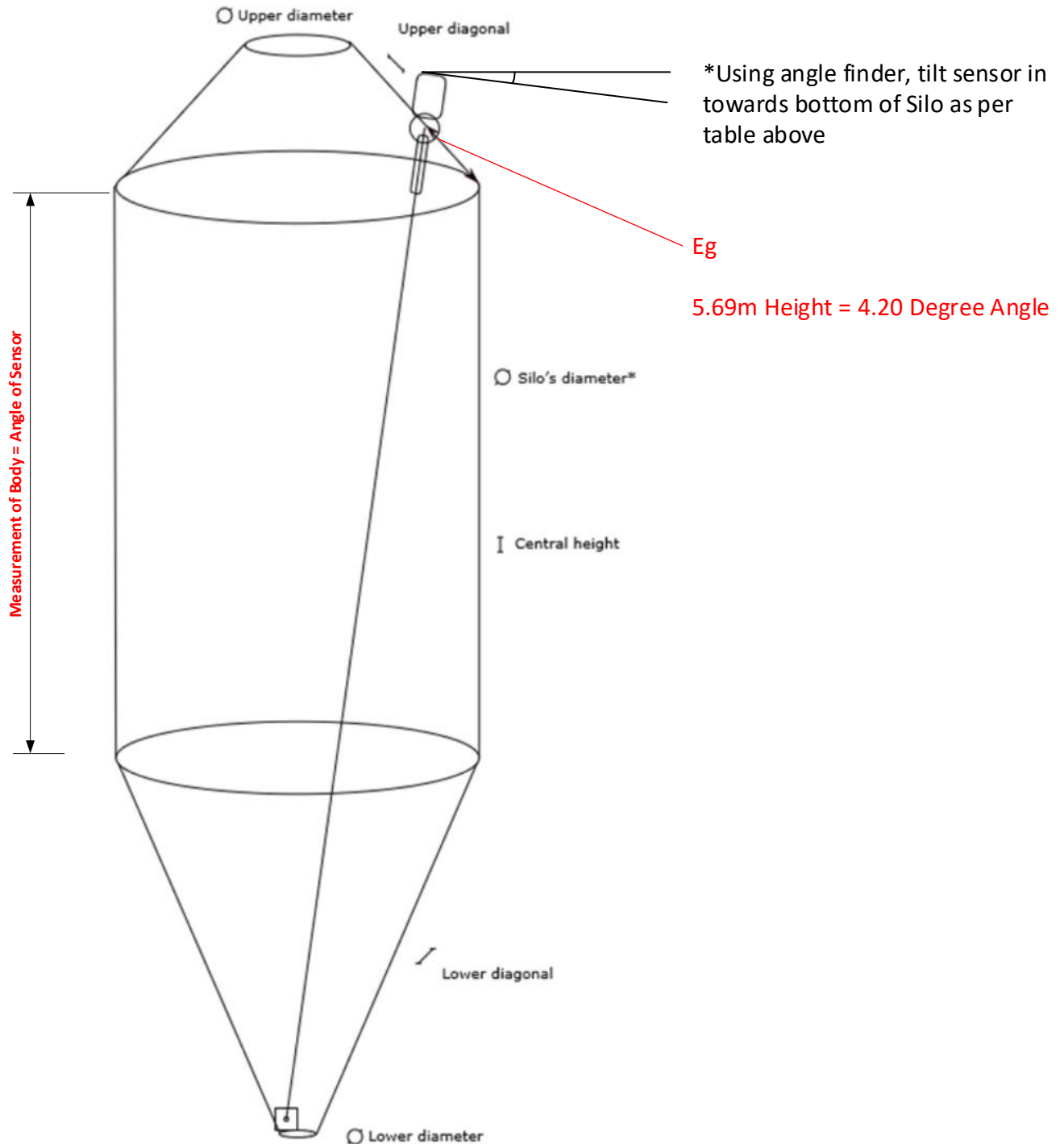
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REV

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Depending on the height of the body of the silo, we will have to tilt the Silometric following the degrees that we obtain from the following table. This way we will achieve that the laser always points in the optimal direction. The Silometric device allows adjusting the inclination from -6° to $+37^{\circ}$. For larger inclinations a wedge, available separately, may be necessary.

Height (cm)	150	200	250	300	350	400	450	500	600
Degrees (°)	7.7	7.1	6.63	5.91	5.49	5.18	4.63	4.38	4.13



Logo

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Installation

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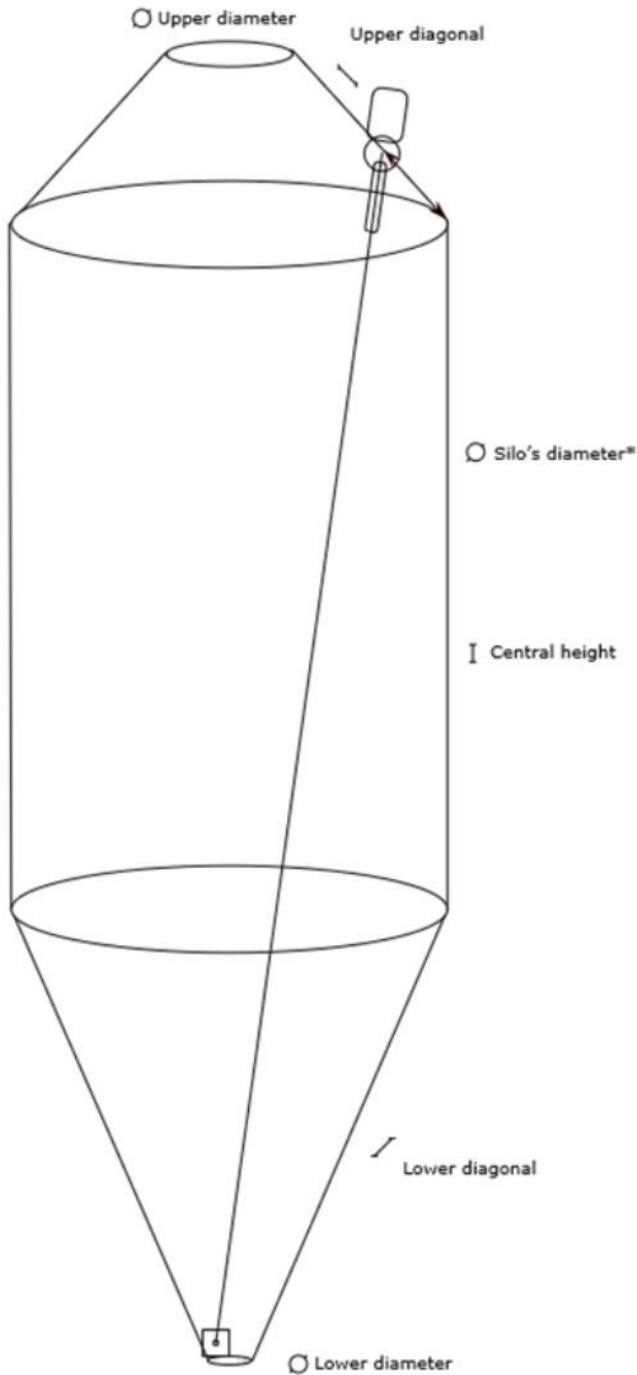
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REV

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Other recommendations

- ❗ In polyester silos it is recommended to use a drill with a 50mm crown.
- ❗ In silos made of steel sheet it is recommended to use a drill with a 43mm crown.
- ❗ We must avoid the fall of objects or trimmings inside the silo.
- ❗ Adjust the tightening force to the minimum so the polyester does not break.
- ❗ It is very important to follow the recommendations for tilt adjustment, as it will ensure that the probe is correctly addressed.
- ❗ Do not open the probe if it is not strictly necessary.



		SIZE	Dwg Ref	Installation			REV
DRAWN				Silometric			1
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CONFIGURATION SHEET

FILL OUT DETAILS AND RETURN TO METROWEST

PROD. NUM.

PROD. DATE:

CUSTOMER NAME

CITY

COUNTRY

TELEPHONE

CELLPHONE

E-MAIL

*Use Google Maps for Co-Ordinates

INSTALLATION NAME

LATITUDE

LONGITUDE

MANAGER NAME

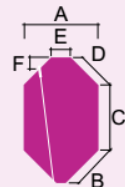
MANAGER CELLPHONE

MANAGER E-MAIL

CITY

COUNTRY

NUM. OF SENSORS



INSTRUCTIONS

Fill in the measures from A to F of each sylo, name it and match it with the correct installed ID. Fill in the density and product of each sylo. Return this configuration sheet to help@digitplan.com with the Reference:
Once this information is processed, you will receive an email with the instructions of how to access the DIGITPLAN platform, a user and a password to start using your devices.

TYPE	ID	SYLO'S NAME	(A) Ø CENTRAL	(B) LOWER DIAGONAL	(C) CENTRAL HEIGHT	(D) UPPER DIAGONAL	(E) Ø FLANGE	(F) OFFSET	PROD. DENSITY
	N1	Silo 1							
	N2	Silo 2							
	N3	Silo 3							

USER:

PASSWORD:

OTHER COMMENTS:

