

Main product features

- Sealed cable conduit for mounting and protecting external cable routing to the LSA
- Direct fit for LSA bracket clamp
- IP65 on the outside of the turbine tower
- Conduit can be used for earthing of the entire assembly, including LSA
- Very robust and durable design fit for off-shore use
- Universal fit for tower wall thickness from 40-95mm

General description

The sealed flexhose with feedthrough assembly targets installation of the LSA via a ~21mm diameter hole through a WTG tower wall.

Detailed installation instructions and related guidelines can be found in the Lightning Sensor & Analyser User Manual, see 'Installation instructions for the LSA, integrated, using a dedicated feedthrough'.

All metal parts of the assembly is A4 stainless steel. It is rated for offshore use, targeting a 30+ year lifespan.

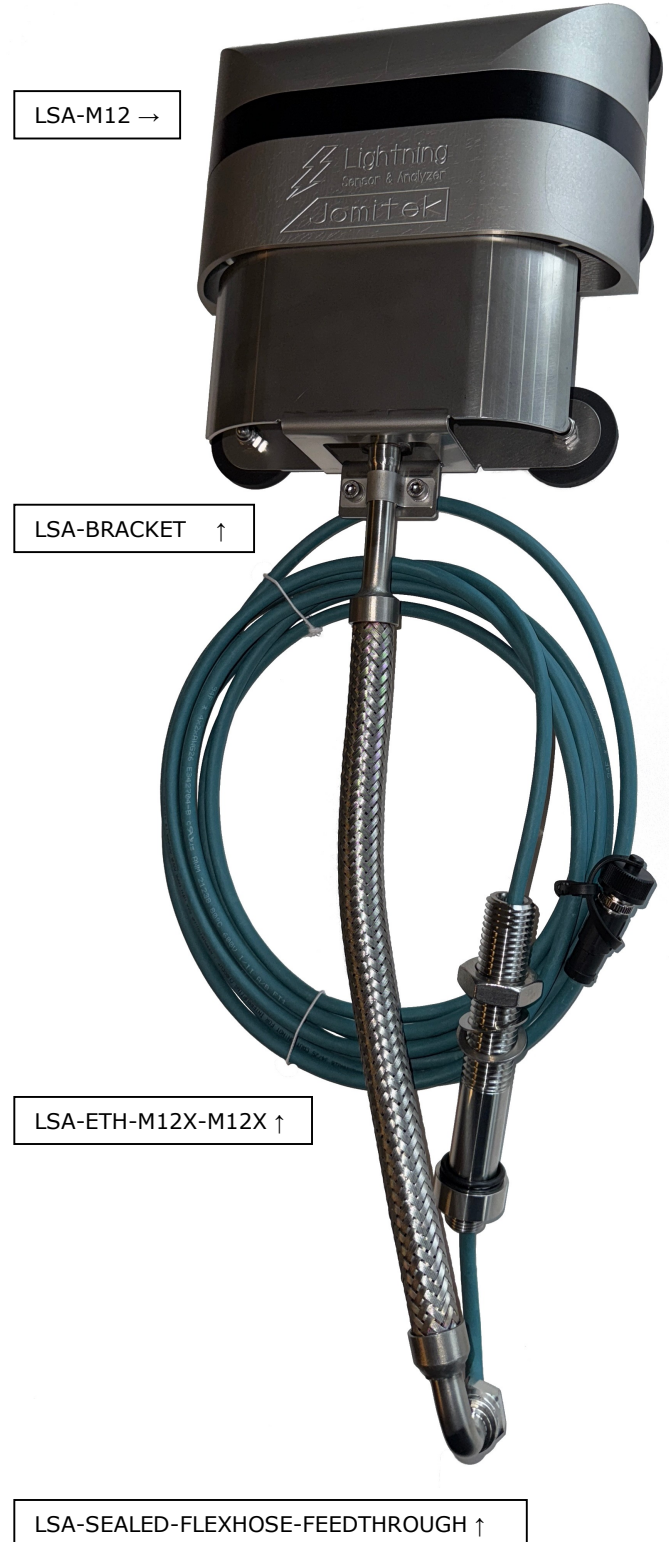
The assembly consists of 2 subparts;

- a cable gland (situated within the LSA-BRACKET, when assembled), fitted with a short fixed pipe, with which it is mounted to the LSA-BRACKET bottom clamp, which in turn is fitted to a flexhose, leading to a 90° elbow pipe with a 3/8" BSP female swivel.
- A feedthrough, which on the outside features a 3/8" male BSP interface to the swivel of the 90° elbow pipe, a disk with an integrated O-ring which seals against the WTG outside tower surface, a rod with an M20 thread, fitted with an O-ring (for sealing on the inside of the tower surface, a washer, a lock washer and an M20 nut.

The assembly fits a single Ethernet cable, which must be ordered at the same time as the LSA-SEALED-FLEXHOSE-FEEDTHROUGH. The assembly is then delivered with the cable prefitted. In general, it is recommended to order the assembly as a full package together with the LSA, the LSA bracket and Ethernet cable, as it will then be delivered preassembled, as presented in the example illustration.

The entry point through the tower must follow relevant guidelines from the turbine vendor, and should target a structurally uniform area, i.e. not near weld lines, or similar.

Example illustration (full package content)



The Jomitek Lightning Sensor – Sealed flexhose with feedthrough

Jomitek

Datasheet as of February 2. 2026

www.jomitek.dk

Powerful solutions

Technical specifications

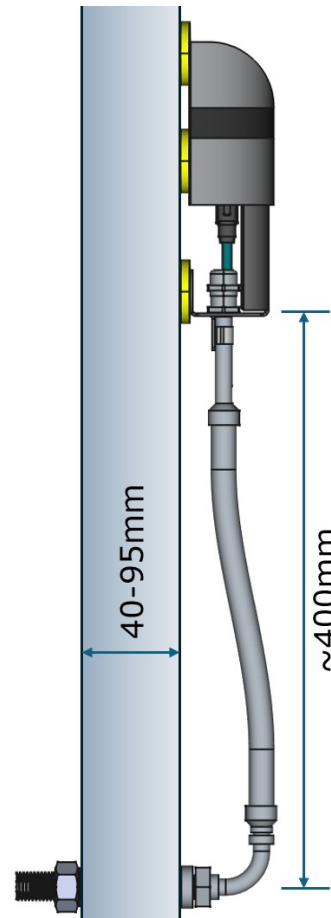
Material, metallic parts	Stainless steel AISI 316
Fixed pipe external diameter	12mm
Feedthrough rod diameter	19.8mm ± 0.2mm
Ingress protection (outside)	IP65
Assembly weight w/o cable	0.6kg
3/8" swivel tightening force	25Nm torque
M20 nut tightening force	60Nm torque

Additional installation notes

If a WTG tower feature an existing cable entry point (in a useful location), note the LSA-CABLE-CONDUIT as an alternative for secure routing of LSA cables on the outside of the tower.

The sealed flex hose assembly allow for only a single Ethernet cable. There is no room for any additional cables.

On the inside of the tower, the feedthrough rod features an inner rounded surface, to avoid mechanical damage to the Ethernet cable from sharp edge cuts. Irrespective of this, note that the minimum Ethernet cable bending radii is 50mm.



Ordering information

Either use own OEM part number or use:

LSA-SEALED-FLEXHOSE-FEEDTHROUGH *J710 00070 001*

Relevant cable assemblies which must be ordered at the same time, for pre-assembly purposes. Replace xxx's with required cable length in decimeters:

Product ID	Product name	Surface material	Screening	Temp. range	Lowest IP rating	Cable length
J70000048xxx	LSA-ETH-RJ45IP67-RJ45IP20	PUR	Double	-25° to 90°	20	Acc. to order
J70000060xxx	LSA-ETH-M12X-RJ45IP20	PUR	Single	-25° to 90°	20	Acc. to order
J70000080xxx	LSA-ETH-M12X-RJ45IP67	PUR	Double	-25° to 90°	67	Acc. to order
J71000064xxx	LSA-ETH-M12X-M12A	PUR	Double	-25° to 90°	67	Acc. to order
J71000065xxx	LSA-ETH-M12X-M12X	PUR	Double	-25° to 90°	67	Acc. to order
J70000060xxx	LSA-ETH-M12X-RJ45IP20	PUR	Single	-25° to 90°	20	Acc. to order
J73000036001	MAGNET-CABLE-TIE	N/A	N/A	-40° to 80°	N/A	N/A

Note that it is recommended to order the LSA incl. bracket in the same order as the cable and flexhose+feedthrough, as the full package will then be pre-assembled from factory.

There are no separate flexhose and feedthrough spare part options, as a full replacement, including Ethernet cable, is needed in case of functional damage to the assembly. However spare parts for the feedthrough rod may be ordered, using:

LSA-FEEDTHROUGH-SPARE-PARTS *J710 00070 002*

The LSA-FEEDTHROUGH-SPARE-PARTS include: 1x O-ring, washer, lock washer and M20 nut for J71000070001.

Country of Origin: Denmark