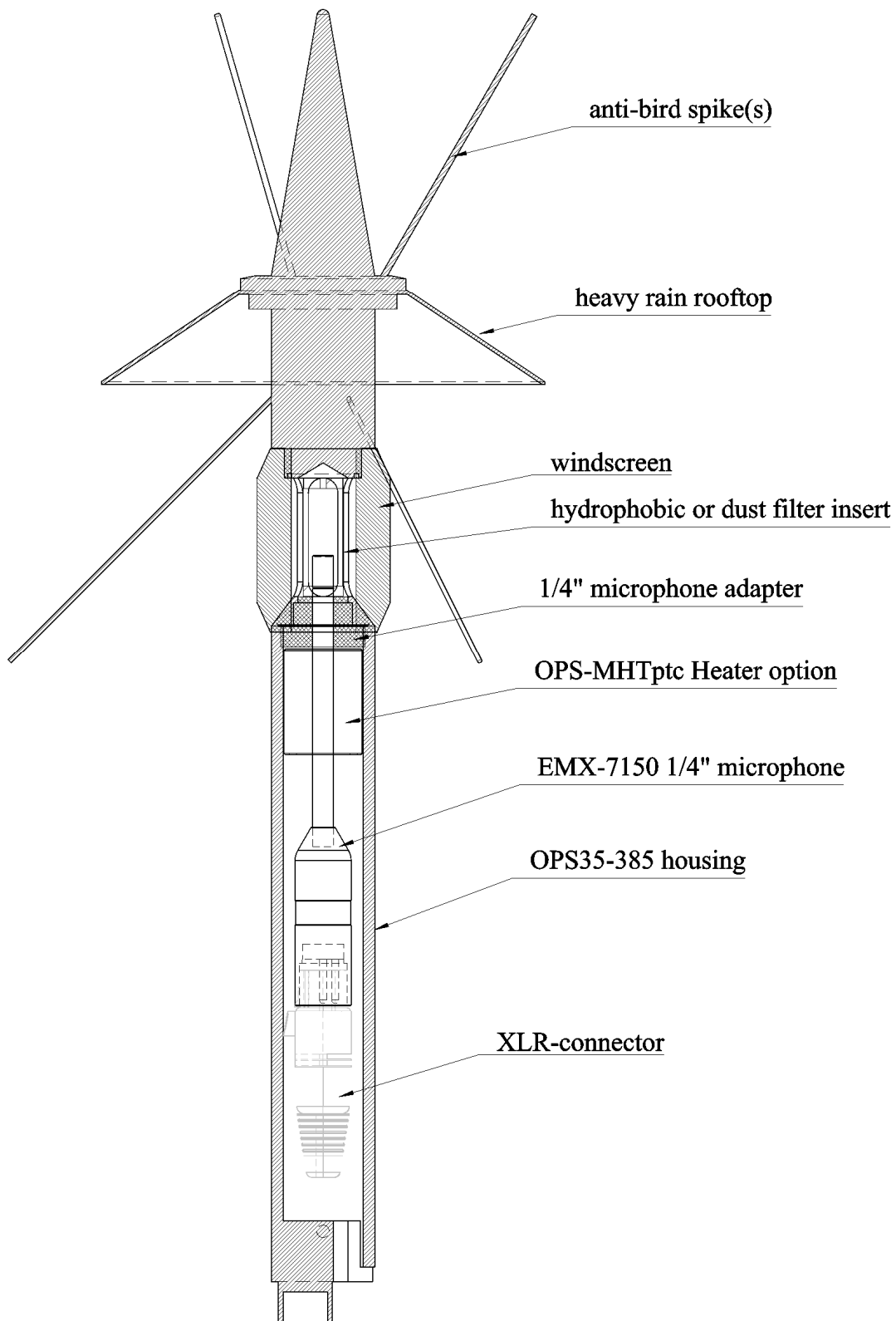


OPS-35 full featured



OPS-35 KITS & OPTIONS



OPS35-285/385 Base kit



- Wind noise reduction
- Calibration file available for download (page 21)
- Optional microphone heater
- Optional dust & hydrophobic filters

PHYSICAL	
Name	Description
Diameter	35mm (1,38 in) - Body
	50mm (2 in) - Windscreen
Height	285mm—OPS35-285
	385mm—OPS35-385
Weight	170g (6 oz) —OPS35-285
	220g (7,8 oz) —OPS35-385
Mounting	3/8—16 & 5/8- 27 Tripod
Material	Polyoxymethylene (POM)
Protection	IP54 vertical , semi permanent use

The OPS 35 system is designed to be used with a large variety of microphones in the nominal mic diameter range of 1/4" to 1/2" as well as different mic lengths.

It is available in two standard lengths; 285 mm for use with iSEMcon's EMM-7101 or 385 mm for use with iSEMcon's EMX-7150 among other 3rd party microphones.

Not the right length? The housing length can be lengthened by adding one or more extensions.

FEATURES

- Adaptive design for 1/4" and 1/2" microphones other diameters upon request.
- All modular length
- Microphone protection in any weather
- Build-in rain and drip gap
- Optional roof top
- Flexible mounting options from standard tripod connector
- Removable top for microphone calibration
- Durable microphone holding system

Ordering information :

Order No.	Name
500000	OPS35-385
500001	OPS35-285

Please note: one standard microphone adapter is included at no additional cost. Selection can be made during ordering process. Custom size adapters will require a surcharge.

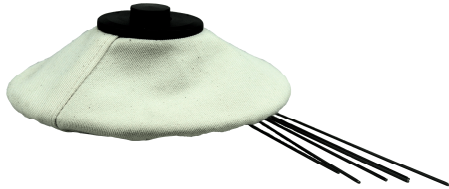
OPS-35 ROOF TOP

The OPS-RT150 is the ideal option when heavy rain is likely. The idea is to prevent the foam windscreen from getting saturated.

A soaked windscreen has a different frequency response behavior compared to a dry one. iSEMcon wants measurement results as accurate as possible even under heavy rain conditions.

The Roof Top comes with anti-bird spikes packaged separately but not inserted. These can be installed by the customer if needed.

Roof top Diameter 150 mm



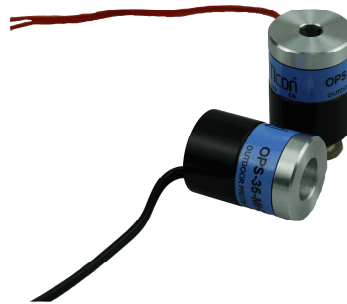
The fabric used is water tight but acoustically transparent as far as possible (not rubber coated). The fibers become water tight upon getting wet (ref. tent cloth). It can be removed for cleaning, replacement and/or impregnation.



Ordering information :

Order No.	Name
500060	OPS35-MHT ptc-1/4
500061	OPS35-MHT-imp 1/2
500062	OPS35-MHT-iec 1/2
500040	OPS35-RT150

OPS35 Heater



The OPS35 heater is an easy to use as well as economical way to protect a microphone diaphragm from condensing water. Condensation changes frequency response behavior while adding weight to the microphone diaphragm. The use of a chemical type dehumidifier is limited in time of use. Such a dehumidifier requires monitoring as well as drying if saturated from humidity.

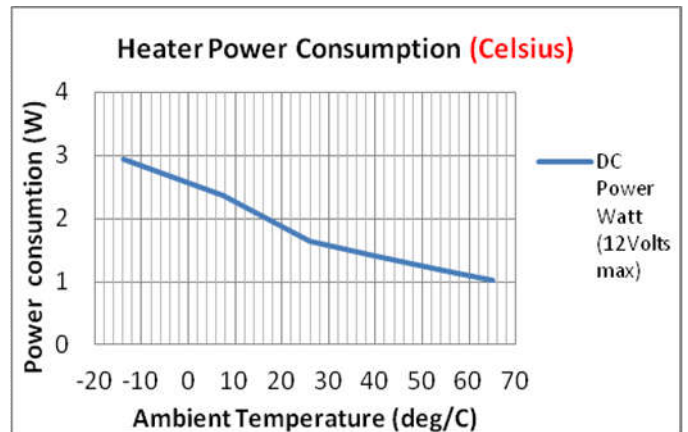
The heater is 100% reliable and is maintenance free.

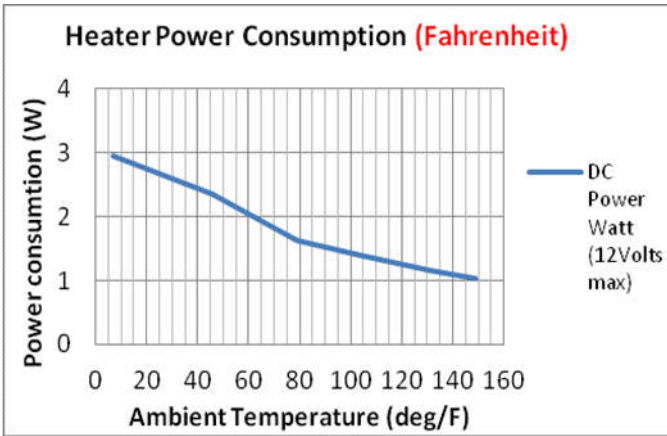
The OPS heater uses a special heater element which is fail safe. The colder it is, the more heat the OPS35-MHTptc adds. It will not add heat at high temperatures and overheating is not possible.

The following graphs show you the heater performance characteristics. Temperatures have been measured at the mic capsule position (acoustical port) of an installed microphone (1/4" type).

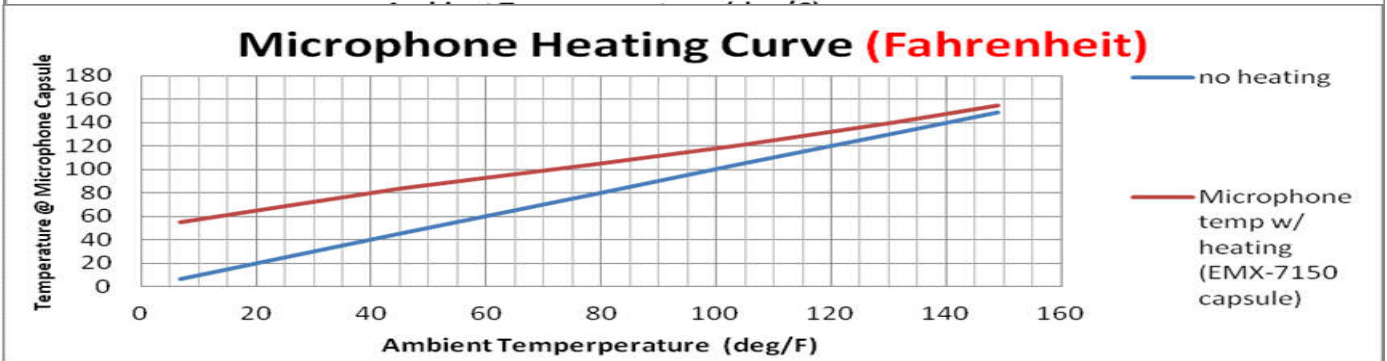
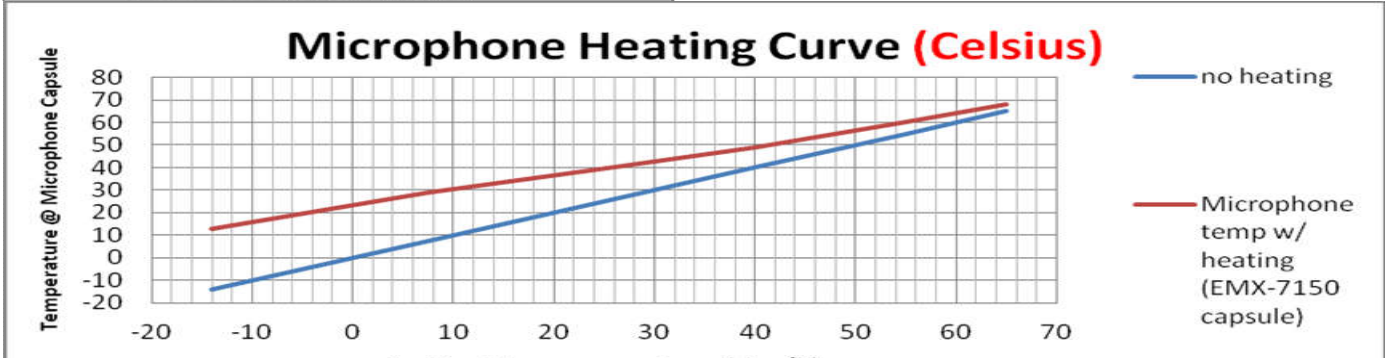
For comparison the "no heating" graph has been added as well. It shows the mic capsule temperature following the ambient temperature 1:1.

The red graph shows the mic capsule temp with the heater installed and powered from 12Vdc. **Do not** power from 12Vac due to possible crosstalk (hum) with microphone installed or microphone cable used.





Data	
Name	Description
Power consumption	12Vdc, 3 Watts max (250 mA) self regulated PTC heater.
Connection	Open cable ends, 30cm leads
Diameter	26.5 mm (1,08 in)
Height	36 mm (1.42 in)
Weight	40 g (1, . oz)
Mounting	M4 Screw clamp. Metal screw with Nylon insert.
Material	Polyoxymethylene (POM) , Aluminum



OPS-35 FILTER

OPS filters are being used to improve and to add additional protection when required. This is a dust filter as well as combo filter hydrophobic (water repellent). The hydrophobic filter is recommended for rain (light, heavy or extended periods).

The filters will be inserted in the acoustic coupler.

Features:

- Diameter 0,55" (14mm)
- Length 1,6" (40mm)
- Color: transparent
- Material: PVC/ woven Nylon (Dust filter)
- Material: PVC/ woven PolypropyleneTeflon (Hydrophobic Filter)
- Temperature: -20 to +65°C (-4 to +149°F)



Ordering information :

Order No.	Name
500055	OPS35-FLTdwr-1/4

Note: dwr – durable water repellent

The OPS35-100 Extension can be used to extend the OPS35 housing in 100mm increments.

OPS35-100 Extension



Ordering information :

Order No.	Name
500010	OPS35-100

OPS35-ADxx Microphone Adapters

A unique feature of the OPS microphone protection system is the range of measurement microphones that can be installed. It does not matter if it is an iSEMcon EMM-7101 mic, EMX-7150 mic or a third party microphone having an acoustic frontend in the range 1/4" to 1/2" (7 mm...13.2 mm). Installation is easy when using the right size microphone adapter and adjustment tool.

The OPS35 can deal with multiple microphone sizes and provide maximum protection. The OPS-35 kit comes with one adapter included. Other sizes of adapters are available for purchase.



Ordering information :

Order No.	Name
500011	OPS35-AD1/4
500012	OPS35-AD1/2-IMP (12,7mm)
500013	OPS35-AD1/2-IEC (13,2mm)
500019	OPS35-ADcust

Note: ADcust – please contact iSEMcon before ordering (sales@isemcon.com)

OPS-35 Service Kits & Replacement parts

There are a few parts that probably will need to be replaced or serviced over time.

These parts could be O-rings, windscreens and the Roof Top cover.



Ordering information :

Order No.	Name
500020	OPS35-WS-01 (windscreen)
500031	OPS35-SKit1 (O-rings)
500032	OPS35-SKit2 (screw & keys assortment)