

Ozone Sounding Accessories



Benefits

- All the accessories needed for ozone sounding
- Particularly recommended for use with the Science Pump Corporation ECC-6A ozone sensor
- Special start-up kit available for introducing ozone sounding to your upper-air program

Vaisala offers all the accessories needed for ozone sounding with the Vaisala Radiosonde RS41, including application-specific parts. The ozone sounding accessories are compatible with all of the ozone sensors available through Vaisala, although they are particularly recommended for use with the Science Pump Corporation ECC-6A ozone sensor.

Vaisala offers two ozone sensors: Science Pump Corporation model ECC-6A (ECC-type sensor) and Droplet Measurement Technologies model Z (ECC-type).

An interface is available for the combination of Vaisala Radiosonde RS41 and ozone sensor.

To obtain high-quality ozone data, please follow the ozone sounding preparation instructions given by the manufacturer of the ozone sensor in question. Vaisala's ozone sounding user manuals contain step-by-step

instructions. Vaisala also offers training courses that cover every aspect of ozone sounding.

Ozone Sounding Start-up-kit

Vaisala provides an ozone sounding start-up kit to help you introduce ozone sounding to your upper-air program. This kit is particularly recommended for use with the Science Pump Corporation ECC-6A ozone sensor but can also be used with the Droplet Measurement Technologies model Z ozone sensor.

The kit does not include triple-distilled water and certain chemicals which are widely available. Please contact the Vaisala HelpDesk for more information on spare parts for ozone sounding. Please refer to the related user's guides for spare part item numbers.

Technical Data

Ozone Sounding Start-up-kit

PCS	ITEM	PART NUMBER
1	Air flow meter	13196 OS
1	Ozone destruction filter	13197 OS
1	Pump test unit	12785 OS
1	Set of laboratory glassware	13198 OS
1	Ozone chemicals	13199 OS
100	Syringes	12736
100	Needles	12737
100	Protective gloves	12735
1	Balance	12771
1	Ozonizer/Test Unit TSC-1	12768
1	Power supply	12767
1	Ozone sounding technical documentation (several user's guides)	

Chemicals needed for Ozone Sounding Preparation (Part Number 131990S)

The chemicals used in preparations for ozone sounding must be of at least "Pro Analysis" purity.

CHEMICAL	AMOUNT	PART NUMBER
KI	1 kg	12743
KBr	0.5 kg	12744
$\text{NaH}_2\text{PO}_4 \cdot \text{H}_2\text{O}$	0.5 kg	12741
$\text{Na}_2\text{HPO}_4 \cdot 12\text{H}_2\text{O}$ (or $\text{Na}_2\text{HPO}_4 \cdot 7\text{H}_2\text{O}$)	0.5 kg	12742
Methanol (CH_3OH)		
Glycerol		
Acetone		

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