

Ozone Sounding Accessories



- **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 RS92 and Vaisala Radiosonde RS80, 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 three ozone sensors: Science Pump Corporation model ECC-6A (ECC-type sensor), EN-SCI Corporation model Z (ECC-type) and MAST Corporation model 730-10 (Brewer-Mast type).

An interface is available for your desired combination of analog/digital Vaisala Radiosonde RS92 or Vaisala Radiosonde RS80 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 EN-SCI model Z ozone sensor and MAST Corporation model 730-10 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.

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	Power cable for RS80 radiosonde	15838ZZ
1	Ozone extension cable for OIF11	12640ZZ
1	Ozone sounding technical documentation (several user's guides)	

CHEMICALS NEEDED FOR OZONE SOUNDING PREPARATION (PART NUMBER 1319905)

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
NaH ₂ PO ₄ • H ₂ O	0.5 kg	12741
Na ₂ HPO ₄ • 12H ₂ O (or Na ₂ HPO ₄ • 7H ₂ O)	0.5 kg	12742
Methanol (CH ₃ OH)		-
Glycerol		-
Acetone		-



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