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Radio Engineering
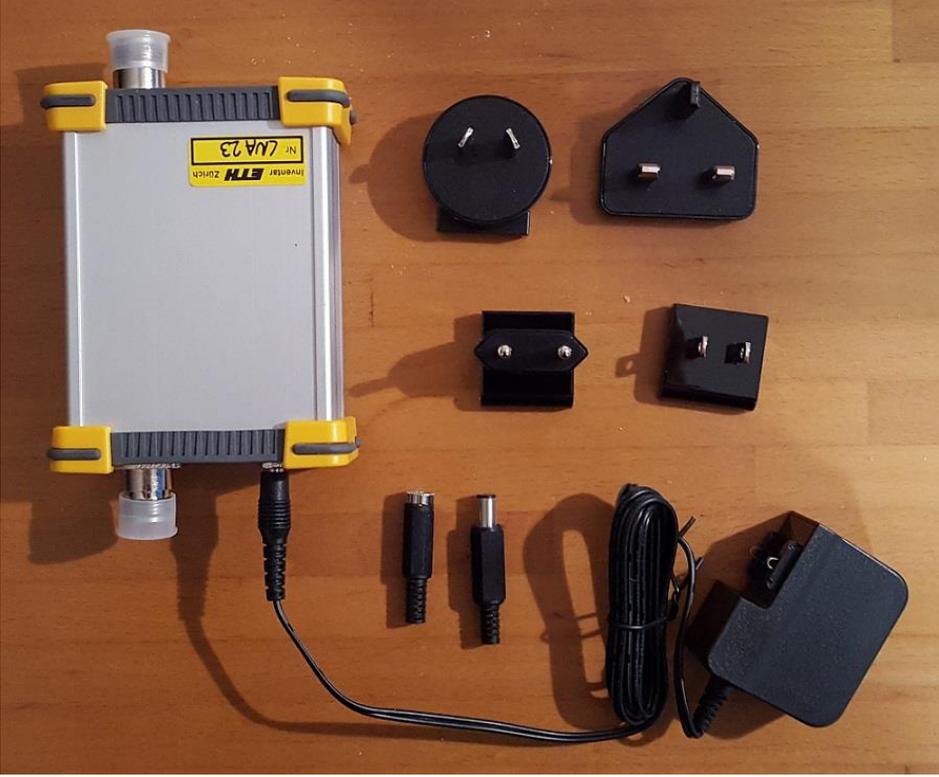Wiesenstrasse 13
8807 Freienbach
Switzerland

Pricelist CALLISTO 2019

Frequency agile radio spectrometer based on Philips TV-tuner CD1316LS/IV
A project, initiated by United Nations and NASA (IHY2007 and ISWI)

Pos	Basic Articles	Prize US$
1	One Callisto frequency agile radio spectrometer in aluminum enclosure, tested in the laboratory. Qualification data here: http://www.e-callisto.org/Qualification/applidocs.htm Including RS-232 extension cable SUB-D9 1:1 ~1.5m Including RS-232/USB-adapter with CDR Including international power supply 12V with 4 mains-connectors Software and tools free of charge: http://www.e-callisto.org/Software/Callisto-Software.html	500.00
	You may also ask for used, but refurbished and tested instruments	250.00

Pos	Basic Articles	Prize US$
2	 This frontend is designed for outdoor operation, close to the antenna Frontend contains a low noise amplifier NF ~1dB, ~20 dB gain Including limiter at the antenna input for protection against static charges Including separate Bias-Tee to inject 12V dc Power supply via Bias-Tee and coax-cable, no extra dc-cable required Including international power supply 12V with 4 connectors Including N-adapter m/m and f/f to connect standard N-coax cables Size and connector of Bias-T may change, depending on manufacturer	**440.00**

Pos	Basic Articles	Prize US$
3	 Interface to control up to two satellite-rotors based on DISEqC-control sequences. Interface connected via a USB-cable to a notebook or PC. Python scripts will be provided, one for azimuth/elevation and another one for parallactic mode in hour-angle/declination. Rotor is powered and controlled via the same 75 ohm TV-coax cable. Power supply 13V ... 18Vcan only provided with European connector. Other countries will need to add an adapter.	**200.00**

Pos	Basic Articles	Prize US$
4	 Low cost frontend containing low noise amplifier NF < 1dB, ~20 dB gain without limiter at the antenna input This frontend is an indoor version which requires extra protection from rain, snow etc. Aluminum enclosure may differ, depending on supplier Including 2 extra dc-connectors to extend power supply cable DC-cable is NOT part of delivery because its length is not known. Including international power supply 12V with 4 connectors	**280.00**

Pos	Basic Articles	Prize US$
5	 Termination resistor 50 Ω, N-connector for calibration, size and weight may change, depending on supplier.	**20.00**

Pos	Basic Articles	Prize US$
6a	Handling and shipping Swiss Post economy with tracking code per unit A unit is one Callisto or one LNA or one DISEqC-control	50.00
6b	Handling and shipping Swiss Post economy with tracking code 2 units E.g. one Callisto and one LNA	80.00

Options on request:
- Heterodyne up-converter or down-converter
- Calibration unit
- Support during installation and configuration
- Training data analysis in IDL or PYTHON

Delivery does include neither a PC, nor an antenna, nor mechanical mountings, nor a high frequency coaxial cable between frontend and Callisto nor a dc-cable in case of position 4. It is much cheaper to organize these parts locally.

Validity of quotation: 2 month due to currency fluctuations

Delivery time: according to mutual agreement, but usually 4 weeks after payment.

Guarantee: Three years after delivery for hardware and workmanship (except lightning strokes, water penetration and unprofessional handling)

Accepted payment methods:
1. Bank account (data will be supplied with invoice)
2. PayPal (name will be supplied with invoice)
3. Cash in any legal currency (but no virtual currency like Bitcoins)