

List of Prices for INTRA Solar Tracker

Order-Code	Product	link to Datasheet	CHF
TT01	INTRA Base-Unit Standard tracker with one flange on each axis, gears 66:1, complete with control-electronics and firmware. Included is a cable, "ready to use", length: 2.5 m to connect INTRA to a power supply and to a serial interface (RS232C) of a PC.	DS_0_BaseUnit.pdf	26'452.00
	Options		
TO01-1	Heater-Option (V1) For trackers with controller board version 1. The option consist of 4 heater elements and a separate temperature controller board. The price includes installation at manufacturers premises.	DS_2_Heater.pdf	1'694.00
TO01-2	Heater-Option (V2) Controller board version 2 allows to connect 4 heater elements. This options includes the elements and installation at manufacturers premises.		547.00
TO02	Battery-Option (V1) For trackers with controller board version 1. You will need this option if you expect power fails lasting longer than 12 hours at your site.	DS_3_Battery.pdf	61.00
TO03	Upgrade to gear 592:1 for both axis. Increases the load capacity of the tracker. (max. torque 100 Nm). Suited only for mid- to high-latitude sites. Price applicable only if option is in the same order as the base unit.		246.00
TO04-1	Base-clamp for NIP or CH1 Accepts one NIP of CH1. You may add more instruments by using more clamps of type TO04-2.	DS_9_1_NIP_IF.pdf	1'776.00
TO04-2	Clamp for NIP (stackable) Allows to add further instruments by stacking the clamp on the base or previous clamp.	DS_9_1_NIP_IF.pdf	1'169.00
TO06	I/F for CH-1 (by K+Z) Simple mech. interface to attach one CH1 to INTRA.		927.00
TO07	I/F for PMO6 Radiometer		421.00
	Kits		
TK00	Axis Extension Kit The INTRA base unit comes with one flange on each axis. If you want a second flange (typically on the elevation axis) you add the Axis Extension Kit. Note that this kit can easely be mounted by the user at a later time.	DS_4_Axisext.pdf	1'295.00
TK01	Single Shader Kit The kit allows for shaded operation of a single pyrano- or pyrgeometer. It consists of 2 axis extensions kits, an instrument interface and the shader mechanics. You must specify the type of instrument you are going to use with this kit.	DS_5_1_SingleShader.pdf	6'326.00
TK02	Dual Shader version 2 15 mm The kit allows the shade operation of two (or more - please ask) pyrano- or pyrgeometers. It consists of an axis extension kit, an instrument platform with instrument interfaces and the shader mechanics. You must specify the type of instrument your are going to use with this kit.	DS_6_1_DualShader.pdf	7'447.00
TK03	Vertical Interface (VIF) This kit adds a large platform - perpendicular to the solar beam. The platform accepts customer-specific instrumentation. Please specify your needs.		pls. ask

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Accessories			
TE01	Electrical Interface Box Connection box for easy interfacing of INTRAs special cable to the supply- and communication lines. Box includes "coarse lightning protection circuits" and a connector to connect a terminal. Box environmentally sealed (IP65), with three all-weather resistant inlets for the cables to and from the box.	DS 1 3 IF-Boxes.pdf	2'100.00
TE02	AC-Power Module Similar to the electrical Interface Box, but includes an AC/DC converter 100-120/220-240 VAC (selectable), output 24VDC (nom., 200 VA max.	DS 1 3 IF-Boxes.pdf	2'400.00
TA02-2	Universal-Pod (Alu)	DS 7 2 Pod.pdf	1'038.00
TA03	mech. Interface für Elektro-Box(en) (set of 2)		641.00
Spare Parts			
TP01-1	Flange Type 1		641.00
TP01-2	Flange Type 2 (for sunmonitor)		709.00
TP02	Axis Extention		654.00
TP05	Shader Mechanism (arm 1 incl.)		3'765.00
TP06-1	I/F-piece to connect arm-pieces.		152.00
TP06-586	Arm 586 (for VIF)		580.00
TP06-485	Arm 1 485 mm (Base)		522.00
TP06-160	Arm 2 160mm		198.00
TP06-210	Arm 2 210mm		221.00
TP06-510	Arm 2 510mm		543.00
TP07-01	Shading Disk Support		198.00
TP07-02	Shading Disk (all diameters)		179.00
TP09-nn	Dual-Schading Disk (supports and disks)		753.00
TP10	Sun-Monitor with connector V1/V2		2'810.00
TP11	Encoder-circuit incl. cable		107.00
TP11-1	Cable with connector for encoder-circuit		53.00
TP11-1	Encoder-circuit		54.00
TP12	Cover for Axis-opening (seal incl.)		148.00
TP13	Cover for Service-opening (seal incl.)		309.00
TP14-1	Set of seals for Axis- and Service-cover		76.00
TP14-2.1	Set of silicon seals for flange		282.00
TP14-2.2	Replacement of seals of a flange (seals incl.)		484.00
TP14-2.3	"Glue Set" for silicon seals of flange (primer and adhesive)		108.00
TP14-3	Sealing profile for case		28.00

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TP15-1	Controller-Board V2 incl. F/W		1'774.00
TP15-2	Drawer for electronics V2		148.00
TP15-3	Battery (for units with IE V1 only)		59.00
TP16-1	Motor with gear 66:1		816.00
TP16-2	Motor with gear 592:1		939.00
TP17-1	Power cable 2.5 m with connector		293.00
TP-17-2	Special Length - ad this per m for customized length of cable		25.00
TP18	Encoderdisk on Alu-Support-Flange		433.00
TP19	Vernez-Ring with Seal		244.00
TP20	Toothed Belt		36.00

Conditions: quoted prices are in Swiss Francs (CHF), packed, ex our premises in CH-8712 Stäfa (EXW INCO-term 2000). Transport charges and insurance premiums are invoiced separately. Quoted prices do not include any taxes (sales-taxes or customs dues) which are due in the country of destination. Deliveries within Switzerland will be invoiced after delivery, payable net within 30 days of the date of the invoice. Unless agreed otherwise, deliveries to foreign countries will be invoiced, when the goods are ready for shipment. Shipment will be performed after receipt of the amount invoiced.

Warranty: 12 months. Warranty applies for failures related to components or to the use of inappropriate materials during fabrication. It does not cover damages caused by inappropriate use or handling of the tracker or its parts. The tracker must be returned to BRUSAG for repair. Costs of transport are paid by the customer.

Validity: quoted prices and conditions are valid as of the date of issue of this list. BRUSAG reserves the right to adjust prices at any date, rendering any previous list invalid.

Delivery: Typically, we have base units on stock, but can not guarantee this. Please ask for the delivery time of your special list of parts.

Note-1: Your requirements are not covered by this list? Please ask for a specific quotation. We are specialized in designing and manufacturing customer-specific solutions.

Note-2: You would like to receive a quote in EUR or USD? Please ask.