

STIKO

TEMPERATURE
PRESSURE
CALIBRATION



DOCUMENTATION
CHART RECORDERS



GENERAL INFORMATION

- This documentation is for **chart recorders** manufactured by STIKO, "Made in Holland".
- STIKO can arrange for transportation to your address via UPS, in which case we will additionally invoice you the incurred UPS costs.

CERTIFICATION

- Certificates of Conformity to the company's published specifications are available on request for all STIKO manufactured products according to EN 10204 (2.2).
- Certificates of Calibration for all STIKO manufactured products are also available. These certificates indicate deviations from standards traceable to national (Dutch RVA or German DKD) and international standards.

The results are recorded in a certificate which include calibration date, instrument serial number, type number and the used RVA or DKD standard.
- Material Certificates for all STIKO manufactured products are also available in the form of copies from material suppliers (EN 10204 3.1) that specify the used materials.

WARRANTY AND REPAIR SERVICE

- A warranty period of 24 months is applicable for all instruments.
- An efficient repair and spare part service is available at competitive rates for STIKO products as well as products of other manufacturers.



Instruments for repair should be sent carriage paid and labelled with the sender's name and address, together with a brief description of the work required.
Please note that instruments need to be cleaned before they are returned.
If the instrument is leaking, please seal it in a plastic bag.

If you need a repair quotation, please indicate this on your document.
Repair quotations cannot be made before inspection of the products.
Lead-times upon request.

STIKO has more than 50 years of experience in manufacturing state-of-the-art mechanical instruments in the area of **TEMPERATURE, PRESSURE and PRESSURE CALIBRATION**.

STIKO is ISO-9001-2015 approved and we develop and manufacture all our instruments according to PED (2014/68/EU).








STIKO - Industrieweg 5, 9301 LM Roden, The Netherlands.

STIKO



Chart Recorders

1. BASE MODEL



STIKO  Chart Recorders		Stainless steel 316L case				Black Pelicase™			
		6"	9"	12"	9"	12"			
									
Model code	Pressure	RPX192X192XT	RPX280X280XT	RPX463X335XT	RPP400X300XT	RPP500X400XT			
	Temperature	RTC192X192XT	RTC280X280XT	RTC463X335XT	RTP400X300XT	RTP500X400XT			
Chart diameter		6" / 163mm	9" / 223mm	12" / 300mm	9" / 223mm	12" / 300mm			
Weight indication		6.8 lbs / 3,1 kg	23.4 lbs / 6,4 kg	23.4 lbs / 10,6 kg	14.1 lbs / 6,4 kg	23,4 lbs / 10,6 kg			
Standard Clock		Single speed mechanical spring wound clock - either 24 hr or 7 day rotation time							
Window		Plexiglas							
Accuracy		Class 1,0% F.S.							
Range + connections		See section 3 for pressure system and section 4 for temperature system							
Consumables		Including 2 pens per measuring system (one mounted on penarm) and 100 charts per recorder.							
BASE MODEL PRICE									
		1 - 5 pcs	6 - 24 pcs	1 - 5 pcs	6 - 24 pcs	1 - 5 pcs	6 - 24 pcs	1 - 5 pcs	6 - 24 pcs
12" STIKO Chart Recorders with battery driven clocks can be ordered without STIKO charts and made compatible with Graphic Controls charts. Please mention clearly on your order/request that you require the US style without charts (only possible with battery-operated clock).									
NEW!! Have a look at section 3 for our new Differential Pressure Recorder		Additional measuring systems (surplus on base model)							
		RPX192X192XT	RPX280X280XT	RPX463X335XT	RPP400X300XT	RPP500X400XT			
DUPLEX - Second measuring system		DUPLEX system (e.g. RPX192X192XT-DUPLEX)							
TRIPLEX - Three measuring systems		Not available	TRIPLEX system (e.g. RPX463X335XT-TRIPLEX)						
For compatibility / readability reasons, please enquire the possible range combinations for DUPLEX and TRIPLEX systems									
		Case style							
		Transportable (XT)							
Standard case style <small>With lower back connection (XT)</small>									
Flush panel mount <small>With U-clamps front flange and lower back connection (XH)</small>		No extra charge			Not available				
Surface mounting <small>With lugs for wall mounting and bottom connection (XB)</small>		No extra charge			On demand				
2" Yoke mounting <small>With 2x 2" yokes for pipe mounting, bottom connection (XY)</small>									
Alternative case color for Pelicase		Not available							
		Grey, orange or yellow case							

2. Clock


Standard clock

Standard clock (included in price of base model)	Single speed mechanical spring wound clock - either 24hr or 7 day rotation time
--	---

Alternative clocks - price surplus Mechanical - rotating clockwise

	Single speed 24hr or 7 day	standard clock included in base model
	Single speed 1,2,4,8 or 12 hrs	
	Double speed 1 hr/15 min; 2 hrs/30 min; 1 hr/4 hrs; 2 hrs/8 hrs 8 hrs/24 hrs; 24 hrs/7days	Each recorder is supplied with 100 charts. 24hrs /7 days is supplied with two sets of 100 charts.

Battery-operated clock - rotating counter-clockwise - not available with ATEX

	R001 off-60 min-96 min- 12hr-1d-2d-7d-8d- 14d-16d-31d-32d	
	R029 30 min-1hr-2hr- 4hr-6hr-8hr-12hr- 1d-2d-3d-4d-7d	
	Each recorder is supplied with 100 charts for one revolution time of choice.	

3. Pressure system

Standard pressure ranges

Standard pressure ranges	All ranges between: 0-1,6 and up to 0-600 bar 0-30 up to 0-10.000 PSI
--------------------------	---

Non-standard ranges (price surplus)

15k psi / 1.000 bar	
20k psi / 25k psi / 1.600 bar	
30k psi / 40k psi / 2.000 bar / 2.500 bar	
45k psi / 50k psi / 3.000 bar	
60k psi / 4.000 bar	

Standard connection for pressure system, included in base model

	RPX192X192XT	RPX280X280XT	RPX463X335XT	RPP400X300XT	RPP500X400XT
Standard pressure connection	9/16" x 18 UNF HP female connection				

Alternative connections for pressure system (price surplus)

1/4"NPT/BSP or 1/2"NPT/BSP male or female	Supplied as an adaptor. Price per measuring system. Max pressure 1000 bar / 15k PSI. Other connections available upon request
---	---

NEW!!

Differential pressure recorder

	DIFFLO model - RPP580X450XT-DIFFLO	DIFFHI model - RPP500X400XT-DIFFHI	Remarks
Case	RPP580X450 Pelicase	RPP500X400 Pelicase	- Only available in pelicases
Ranges	Between 0+100 and 0+400 mbar	Between 0+0,6 and 0+25 bar	- Not in combination with ATEX
Max static pressure	100 bar	100 bar	- Static pressure must be supplied
Wetted parts	AISI316Ti + AISI316L + viton	Duratherm + AISI316L + viton	- Available as DUPLEX or TRIPLEX
Surplus on BASIC model			(usual surplusses apply for DUPLEX and TRIPLEX models)

4. Temperature system

Temperature ranges

Standard temperature ranges	<p>Minimum span of 80°C (145°F)</p> <p>Range between 0°C and 400°C (between 32°F and 750°F)</p>
Non-standard temperature ranges (price surplus)	
Minimum below 0°C / 32°F	
Maximum above 400°C / 750°F	

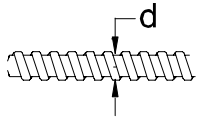
Standard connection for temperature system - plain stem without threaded connection

Connection can be tailor made to specifications - see below

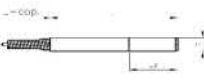
1m capillary with SS304 armour + $\phi 12$ x 100mm bulb	
--	--

Tailor-made connections for temperature system

Capillary

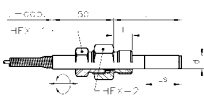
 Standard with SS304 armour	SS321 capillary with SS304 armour		SS321 capillary with SS316 armour	
	1m / 3 ft		1m / 3 ft	
	2m / 6.5 ft		2m / 6.5 ft	
	4m / 13 ft		4m / 13 ft	
	5m / 16.5 ft		5m / 16.5 ft	
	Other lengths	On demand	Other lengths	On demand

Stem

 Standard in SS321	$\phi 10$ x 100mm	
	$\phi 12$ x 100mm	
	$\phi 10$ x 200mm	
	$\phi 12$ x 200mm	
	Other dimensions	On demand

Threaded connection

Not compulsory for temperature measuring system

	Compression fitting sliding on stem with 1/2" BSP/NPT male connection	
	Other type	On demand

5. Options / Certification / Consumables

Easy chart replacement

	RPX192X192XT	RPX280X280XT	RPX463X335XT	RPP400X300XT	RPP500X400XT
Pen Arm Lifter Lifts pen off the chart, for easy chart access	n.a. (standard with foldable pen arm)	Per measuring system			




Logo

Logo on Front Plate	No extra charge when the logo is in the STIKO logo database (otherwise: one-time setup costs)				
Logo on door ONLY AVAILABLE AS LABEL/ STICKER					


ATEX requirement

	RPX192X192XT	RPX280X280XT	RPX463X335XT	RPP400X300XT	RPP500X400XT
Requirements for ATEX certified recorder (includes safety glass + blow out + STIKO logo) ATEX only possible with mechanical clock				ATEX not available for Pelicase	
	+ ATEX certificate - see below				



Certification

<div><div>STIKO</div><div></div><div></div></div>	<div><div></div><div><div>ATEX Certificate (per order)</div></div></div>	<div>Only possible with stainless steel case, mechanical clock and STIKO logo II 2G Ex h or II 2D Ex h, T ambient -30 / + 80 °C</div>	<div>ATEX not available for Pelicase</div>
	<div><div>Calibration Certificate</div></div>	<div>For non-standard ranges (pressure 1000 bar or higher / temperature below 0°C or 400° and higher):</div>	
	<div><div>Certificate of conformity</div></div>		
	<div><div>Certificate of Origin</div></div>	<div>Per order, attested by the Dutch Chamber of Commerce (legalization by Embassy: on demand)</div>	
	<div><div>Copy of ISO 9001:2008</div></div>	<div>Available for download at www.stiko.com/about-stiko/certifications/</div>	

Exchangeable bourdon tube

	RPX192X192XT	RPX280X280XT	RPX463X335XT	RPP400X300XT	RPP500X400XT
	30 to 10k PSI 1,6 to 600 bar	Not available for 6" recorder			
	15.000 PSI 1.000 bar				
	25.000 PSI 1.600 bar				
	30k 40k PSI 2k - 2.500 bar				
	45.000 PSI 3.000 bar				
	60.000 PSI 4.000 bar		On demand		

Recorder pens

	Black Pressure	Per 5 pens		Standard lead time		Quick lead time		Spare pen arm		
	Red Temperature	Per 5 pens		per 100 pieces Delivery time 4 weeks	Per 10 pieces, 6" or 9" For quick delivery Only small quantities	per 100 pieces 0-100% charts Normally on stock	Door lock			
							Spare single speed mechanical clock			
							Spare dual speed mechanical clock			
							Spare battery operated clock, R001			
							Spare battery operated clock, R029			

OPTIONS

CERTIFICATION

5. CONSUMABLES