



TSE Systems GmbH - Siemensstr. 21 - 61352 Bad Homburg - Germany

EUR Quotation

Mashad Medical School
 Dept. of Biochemistry & Nutrition
 Abdolreza Norouzy, PhD
 Paradise Daneshgah
 Mashad 91779-48564
 IRAN

Delivery Address:

Tara Teb Company
 Eskan Towers, Tower No.3, T Floor
 Mr. Napoleon Billou
 Mirdamad Boulevard
 Tehran 1969615471
 IRAN

Record No. 2015-137899
Date 08.04.2014
Customer No. D22812
Your request / order
Your VAT-IdNo.
Phone 0098-511-8002-359
Fax 0098-511-8002-380
Way of dispatch Forwarder
Terms of delivery Net ex factory, plus packing and insurance.



DIN EN ISO 9001

PHenoMaster 8 rats: Cal&D&F&BW&RW&Act

Dear Dr. Norouzy,

Thank you very much for your inquiry. We will offer without obligation as follows:

Pos.	Qty.	QU	Cat.-No. / Description	Unit Price	Total Price	TC
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Head Office
 TSE Systems GmbH *
 Siemensstr. 21
 61352 Bad Homburg / Germany
Tel. +49(0)-6172-789-0
Fax +49-(0)6172-789-500

Register
Man. Dir.
VAT-Id No.
E-Mail
Internet

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 Hans-Peter Engler
 Jens-Uwe Engler
 DE 114 222 856
 info@TSE-Systems.com
 www.TSE-Systems.com

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BENEFITS & UNIQUE FEATURES:

- Most flexible technology of highest quality on the market
- Unique turn-key modular combination systems for rats & mice, for short & long term studies
- Industrial computer system, rack, installation & training included

- Time saving, economic use of standard home cages
 - > shortest habituation times
 - > unbiased, stress-free animal behavior
 - > cages easy and quick to assemble & disassemble
 - > cage lower parts easy to clean (Macrolon) in washing machines
 - > cages inexpensive to replace
- Universal use of measuring units for liquid / food / body weight
 - > supply of liquid and food from the cage top (hanging containers) similar to standard home cages
- Easy access to liquid / food for young or old or obese mice and rats
 - > height adjustable containers according to animal size
- Food containers for pellets / crumbling / pasty / powder food
 - > containers easy to refill & clean
- Versatile combination of up to 8 measuring units per cage
 - > liquid / food choice experiments
- Automated liquid / food access control per time / amount / activity / exercise (e.g. for PAIRED / YOKED feeding)
- Urine / feces / liquid / food / body weight measurement in dedicated metabolic cages

- Infrared light-beam activity monitoring frames in three dimensions X,Y,Z, different sizes and spatial resolution available (ActiMot2)
 - > universal use of one sized frame for rats and mice
 - > Only one frame necessary for home cage activity, Open Field, Light / Dark box, Hole Board, etc.
- Calorimetric parameters / metabolic performance measured by indirect open-circuit calorimetry (CaloSys)
 - > highest accuracy through individual mass flow controller for each cage.
 - > high speed gas drying unit (Peltier principle) included
 - > high-speed or standard configurations available, measuring time per cage approx.: 40 sec (high speed) or 2.5 min (standard).
- Exercise calorimetry by CaloTreadmills or CaloWheels with programmable speed profiles

- Voluntary Running Wheels with automated motor skill test and work load control available (new paradigms)

- Modular operant wall for various operant behavior tasks acc. to Skinner
 - > wheel running as novel reward quality in operant behavioral task
 - > stimulus / response elements, automated doors, light, sound, pellet dispenser,

amount carried over

0,00

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Pos.	Qty. QU	Cat.-No. / Description	Unit Price	Total Price TC
		etc.		
		<ul style="list-style-type: none"> • Telemetry systems can be integrated • Open software platform for future extensions, add-on of new features • 2 years ALL-IN Warranty & Service Package by TSE Systems, extendable, including <ul style="list-style-type: none"> > free of charge software updates & unlimited software licences for analysis > free of charge support, repair or replace; by phone, e-mail, remote or on-site to our choice 		
1	1,00Piece	258000-PM-008 PhenoMaster Control System for up to 8 Cages, extendable. For simultaneous Control, Supervision and Evaluation of: <ul style="list-style-type: none"> • CaloSys Indirect Open Circuit Calorimetry System • Drinking / Feeding / Urine / Feces / Body Weight Monitoring System • Access Control Device for PAIRED / YOKED feeding or other purposes • Activity Monitoring System (X, XY, XZ, XYZ or Total Activity) • Wheel Activity Monitoring System with Access Control (enabled/disabled), Workload Control and Motor Skill Testing • Integration Platform for third party telemetry systems (e.g. for monitoring of body core temperature) • Integration of Operant behavioral tasks (learning & memory) with various kinds of rewards • Etc. Complete and consisting of: <ul style="list-style-type: none"> • Master Software Platform for WINDOWS • Master Interfacing System • Master Control System • Industrial Computer System with Flat Screen & Printer 	25.502,00	25.502,00 0
2		Calorimetry		

amount carried over 25.502,00

Head Office TSE Systems GmbH * Siemensstr. 21 61352 Bad Homburg / Germany Tel. +49(0)-6172-789-0 Fax +49-(0)6172-789-500	Register Man. Dir. VAT-Id No. E-Mail Internet	Bad Homburg HRB 4642 Hans-Peter Engler Jens-Uwe Engler DE 114 222 856 info@TSE-Systems.com www.TSE-Systems.com	Banks Commerzbank AG Bad Homburg BLZ 500 400 00 Konto 34 18 688 00 S.W.I.F.T.-Code COBADEFF 501 IBAN DE75 5004 0000 0341 8688 00	Postbank Frankfurt am Main BLZ 500 100 60 Konto 791 90-606 S.W.I.F.T.-Code PBNKDEFF 500 IBAN DE37 5001 0060 0079 1906 06
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**Multi-Purpose indirect open circuit Calorimetry System CaloSys
for measurement of metabolic performance in lab animals (rodents, etc.)**

- CaloCage: Home Cage environment (short / long term)
Adaptor Kits for drinking bottles / feeding containers available
- Metabolic Cage (airtight)
Adaptor Kits for drinking bottles / feeding containers available
- CaloCage & Wheel: Home Cage with integrated voluntary Running Wheel
- CaloWheel: Forced Running Wheel with sealed housing, programmable speed profiles
- CaloTreadmill: Treadmill with sealed housing, programmable speed profiles, stimulus option

High-speed or standard configurations available, measuring time per cage approx.:
40 sec (high speed) or 2.5 min (standard).

High-speed gas drying unit (Peltier principle) included in all TSE calorimetry systems.
Highest possible calorimetric accuracy through individual mass flow controller for
each CaloCage.

Can be combined with other systems of the LabMaster / PhenoMaster research
platform.

8 cage system, extendable to up to 64 cages,
consisting of (for connecting to computer or LabMaster / PhenoMaster Control):

amount carried over 25.502,00

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Bad Homburg HRB 4642

Hans-Peter Engler

Jens-Uwe Engler

DE 114 222 856

info@TSE-Systems.com

www.TSE-Systems.com

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Pos.	Qty. QU	Cat.-No. / Description	Unit Price	Total Price TC
2.1	1,00Piece	994620-CSP-08	58.902,00	58.902,00 0

CaloSys Professional for 8 cages
Individual automatic flow control in each cage
 Indirect open circuit calorimeter system (VO₂ / VCO₂ / Temperature) for lab animals (mouse up to dog) in the home cage.
 Measurement of oxygen consumption (VO₂), carbon dioxide production (VCO₂) and temperature.
 Recording of:
 • Measuring channel
 • Date & time
 • Flow rate in ml/min or l/min (=output of mass flow controller)
 • O₂ concentration in % (measuring air)
 • CO₂ concentration in % (measuring air)
 • O₂ concentration in % (reference air)
 • CO₂ concentration in % (reference air)
 • dO₂ difference in % (reference air to measuring air)
 • dCO₂ difference in % (measuring air to reference air)
 • Temperature
 Calculation of:
 • VO₂ ml/h*kg or W/kg
 • VCO₂ ml/h*kg or W/kg
 • Respiratory Exchange Ratio RER, VCO₂/VO₂
 • Heat kcal/h*kg or W/kg
 • Grouping of the datas after experiment or parameter
 • Graphical shown
 The time interval can be adjusted. Each measuring channel can be switched on or off individually. All data will be collected via the Windows-Software and are ready for further processing with standard statistic- or graphic-software (Excel, etc.). The maximum experiment time is 2409 hours = 10 days (expandable).
 Complete and consisting of (for connecting to a PC):
 • Air supply pump
 • 8 Mass flow controllers
 technical datas:
 • Operation range 0 to 1 SLPM (for Mice) or 0 to 5 SLPM (for Rats).
 Other ranges also available.
 Please specify required size when ordering.
 (SLPM = standard litre per min)
 • Resolution 0.0005 SLPM / 0.002 SLPM
 • Repeatability ± 0.1%
 • Linearity ± 0.1%
 • Response time < 0.3 sec
 • High speed gas drying unit
 • Air valve multiplexer for 8 measuring channels and 1 reference channel, extendable to up to 64 measuring channels
 • Air sample pump
 • CO₂ measuring unit
 technical datas:
 • Principle of operation infrared twin-jet
 • Operation range 0 to 2 Vol. %

amount carried over 84.404,00

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61352 Bad Homburg / Germany	VAT-Id No.	DE 114 222 856	Konto 34 18 688 00	Konto 791 90-606
Tel. +49(0)-6172-789-0	E-Mail	info@TSE-Systems.com	S.W.I.F.T.-Code COBADEFF 501	S.W.I.F.T.-Code PBNKDEFF 500
Fax +49-(0)6172-789-500	Internet	www.TSE-Systems.com	IBAN DE75 5004 0000 0341 8688 00	IBAN DE37 5001 0060 0079 1906 06

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Pos.	Qty. QU	Cat.-No. / Description	Unit Price	Total Price TC
		<ul style="list-style-type: none"> • Temperature range 0 to 45 °C • Resolution 0,001% • Accuracy ± 0,04% • Response time 1 sec • Humidity 0 to 100% non condensing • O2 measuring unit technical datas: <ul style="list-style-type: none"> • Measuring Zirconia cell • Operation range 18 to 22 Vol. % • Temp.-range 0 to +50 °C • Resolution 0,001% • Accuracy ± 0,05% • Repeatability ± 0,05% • Drift less 0,05% in 24 hours • Response time 1 sec • Humidity 10 to 95 % non condensing • Lifetime > 30.000 operation hours • Calibrated • Control-Unit for connecting all components • Special interface unit CaloSys-08 • Software package CaloSys-08 for Windows Extendable: up to 64 place system. Please order separate: animal cages.		
2.2	1,00Piece	994620-CS-HSP-01	28.659,00	28.659,00 0
		<p>CaloSys High Speed Sensing Extension</p> <p>With gas sensors and air drier unit for shorter sample interval times of approx. 40 seconds per cage.</p> <p>Complete with connection set for calibration gas (tubing connectors, flow reduction valve, t-pieces, hose clips, tubing).</p> <p>Price = difference to Standard Sensing Unit.</p>		

amount carried over 113.063,00

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Pos.	Qty. QU	Cat.-No. / Description	Unit Price	Total Price TC
2.3	8,00Piece	994620-CS-KR-1 CaloCage Rat STANDARD for CaloSys Professional with <ul style="list-style-type: none"> • special lid with sandwich construction for optimized air circulation with <ul style="list-style-type: none"> • air inlet connector and air outlet connector. • outlet connector for sample air • temperature probe for measurement of inner cage temperature • 2 universal mounting devices with sealing cap for <ul style="list-style-type: none"> • Drinking Measuring Unit with bottle • Feeding Measuring Unit with basket • Animal Body Weight Measuring Unit with housing • bottle without Drinking Measuring Unit • basket without Feeding Measuring Unit 	1.583,00	12.664,00 0
2.4	1,00Piece	994620-FC Flowmeter System for CaloSys for calibration	1.696,00	1.696,00 0

amount carried over 127.423,00

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Pos.	Qty. QU	Cat.-No. / Description	Unit Price	Total Price TC
2.5	1,00Piece	994620-KK-O2/CO2-HS Calibration kit f.CaloSys High Speed Sensor System for Calibration of High Speed O2 and CO2 Sensors Consisting of: • 1 gas bottle with compressed atmospheric air in breathing air quality Specifications: • Breathing air quality according to DIN EN 12021 (very dry, filtered, compressed atmospheric air) • Bottle size 50 litres (geometric), filling pressure 200 bar • 2-stage pressure reduction valve for gases of high purity (>5.0), adjustable working pressure 0 – 5 bar • Butterfly valve • 1 gas bottle with pure nitrogen 5.0 Specifications: • Purity 99.999 % nitrogen • Bottle size 20 litres (geometric), filling pressure 150 bar • 2-stage pressure reduction valve for gases of high purity (>5.0), adjustable working pressure 0 – 1 bar • 1 gas bottle with 0.95 % Carbon dioxide in nitrogen Specifications: • Accuracy ± 1 % relative • Bottle size 10 litres (geometric), filling pressure 150 bar • 2-stage pressure reduction valve for gases of high purity (>5.0), adjustable working pressure 0 – 1 bar • Installation set including tubings and adapters Please observe general handling rules and procedures for pressurized bottles (positioning, securing, connection, operation).	12.423,00	12.423,00 0
2.6	1,00Piece	994620-CS-AC CaloSys AutoCalibration Unit automatic calibration of O2 / CO2 Sensors. Consisting of: • AutoCalibration Control Unit • AutoCalibration Software extension Tool for integration into PhenoMaster / LabMaster Software • USB Connection to PC or Notebook / WINDOWS 7 or XP The calibration gas bottles will be connected to the AutoCalibration control unit, which is connected to the PhenoMaster system. The CaloSys Gas Sensing Unit (for standard or high speed gas sensors) will be calibrated automatically per PhenoMaster software. It directs different calibration gases from the calibration gas bottles to the sensor unit in regular, user-defined intervals. A Log-File will save all calibration changes. Advantages: • less time consuming and improving work load • calibration will be very easy, no „expert“ training required • reduction of errors caused by manual calibration • traceability and comparability of different calibrations due to log-file • higher accuracy and higher reliability of calibration due to objective, computer controlled procedure • optimization of expensive calibration gas usage	13.095,00	13.095,00 0
2		Calorimetry		127.439,00

amount carried over 152.941,00

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TSE Systems GmbH *
Siemensstr. 21
61352 Bad Homburg / Germany
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Fax +49-(0)6172-789-500

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VAT-Id No.
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Pos.	Qty. QU	Cat.-No. / Description	Unit Price	Total Price	TC
3		Drinking&Feeding Multi-Purpose Drinking / Feeding / Body Weight / Urine / Feces Measuring System For lab animals (rodents, etc.), for continuous automatic <ul style="list-style-type: none"> • liquid consumption measurement (also for choice experiments) option: automated access control • food consumption measurement (also for choice experiments) option: automated access control (PAIRED / YOKED feeding) • animal body weight measurement • urine production measurement • feces production measurement <p>Versatile combination of up to 8 measuring units per cage, up to 512 cages per measuring system advanced. Can be combined with other systems of the LabMaster / PhenoMaster research platform. 8 cage system, each cage with 3 measuring units, extendable, consisting of (for connecting to computer or LabMaster / PhenoMaster Control):</p>			
3.1	24,00Piece	259998-ADPT/DR-FE-WE-01 DRINKING/FEEDING MONITOR Adaptor Kit DFW Adaptation of 1 sensor to cage. Suitable for: • Drinking Sensor • Feeding Sensor • Body Weight Sensor Required: 1 Adaptor Kit per sensor.	244,00	5.856,00	0
3.2	8,00Piece	259998-SEN/DRI DRINKING/FEEDING MONITOR Drinking Measuring Unit Advanced Consisting of: • Sensor for Drinking Measuring Unit Advanced for quantitative and chronological measurements. This Sensor can be also used for • Feeding Measuring Unit (with separate feeding basket) • Animal Body Weight Measuring Unit (with separate housing for animal body weight measurement) • Bottle (please specify size: 50, 100, 200 ml) • Data cable (please specify length: 4, 5, 6, 8 or 10 m)	1.266,00	10.128,00	0
3.3	16,00Piece	259998-SEN/DRI-BOT-PE Bottle PE for DRINKING/FEEDING MONITOR Drinking Measuring Unit Consisting of: Drinking Bottle with bottom flange for hanging on Drinking-Sensor 50ml made from PE. Complete with holder, fittings and valve.	203,00	3.248,00	0
amount carried over				172.173,00	

Head Office
TSE Systems GmbH *
Siemensstr. 21
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Pos.	Qty. QU	Cat.-No. / Description	Unit Price	Total Price TC
3.4	8,00Piece	259998-SEN/FED DRINKING/FEEDING MONITOR Feeding Measuring Unit Advanced Consisting of: • Sensor for Feeding Measuring Unit Advanced for quantitative and chronological measurements. This Sensor can be also used for • Drinking Measuring Unit (with separate bottle) • Animal Body Weight Measuring Unit (with separate housing for animal body weight measurement) • Basket (please specify size: 50, 100, 200 g) • Data cable (please specify length: 4, 5, 6, 8 or 10 m)	1.266,00	10.128,00 0
3.5	8,00Piece	259998-SEN/BW-SEN Sensor for DRINKING/FEEDING MONITOR Animal Body Weight Measuring Unit Advanced for quantitative and chronological measurements. Complete with housing. Notice: the sensor can be used for Mice or Rats only. Please specify species when ordering.	1.082,00	8.656,00 0
3.6	1,00Piece	259998-C-24 DRINKING/FEEDING MONITOR Control Unit 24-Channel, extendable to up to 32 channels. For connection of up to 24 sensors in any composition for quantitative and chronological measurements: • Drinking sensors for measuring liquid consumption • Feeding sensors for measuring food consumption • Animal Body Weight sensors for measuring body weight • Urine sensors for measuring urine production • Feces sensors for measuring feces production Complete and comprising: • Control Unit System • Special Interface System Integrable into LabMaster / PhenoMaster System. Requires: Computer or LabMaster / PhenoMaster Control System as well as 24 Software Licences 259998-S-001. Up to 16 control units with 32 channels each (= 512 channels) can be integrated into 1 system.	8.274,00	8.274,00 0
3.7	24,00Piece	259998-S-001 DRINKING/FEEDING MONITOR Software Licence 1 Channel. For 1 sensor in any composition for quantitative and chronological measurements: • Drinking sensor for measuring liquid consumption • Feeding sensor for measuring food consumption • Animal Body Weight sensor for measuring body weight • Urine sensor for measuring urine production • Feces sensor for measuring feces production Integrable into LabMaster / PhenoMaster System. Required: 1 Software Licence per sensor.	280,00	6.720,00 0
3		Drinking&Feeding		53.010,00
			amount carried over	205.951,00

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Pos.	Qty.	QU	Cat.-No. / Description	Unit Price	Total Price	TC
4			Activity XYZ Multi-Purpose Activity Monitoring System ActiMot2 - Infrared light-beam technology - For lab animals (rodents, etc.), usable for <ul style="list-style-type: none"> • Home Cage activity XY and Z (rearing) • Open Field experiments XY and Z (rearing) • Light / Dark box experiments • Place Preference experiments • Hole Board experiments Possible frame sizes (inside dimensions): 289*245mm, 515*294mm, 530*390mm, 515*515mm. Possible distances between sensors: 15 mm, 30 mm, 45 mm, 60 mm, 90 mm, 120 mm. Can be combined with other systems of the LabMaster / PhenoMaster research platform. 8 station system, extendable to up to 512 measuring stations, consisting of (for connecting to computer or LabMaster / PhenoMaster Control):			
4.1	8,00	Piece	302021-515*294-015-XY ActiMot2 XY-Frame - 515*294mm, 15mm IR spacing for monitoring horizontal activity. Motility Measuring Unit for detecting the horizontal activity (XY-axis) in small laboratory animals in a Home Cage or in a Test Cage. Technical data: <ul style="list-style-type: none"> • Inner frame size: 515 * 294 mm • IR sensors on the X-axis: 32 • IR sensors on the Y-axis: 16 • Distance between IR sensors: 15 mm. Alternative: 302021-515*294-015-X ActiMot2 X-Frame Option: 302021-515*294-015-Z ActiMot2 Z-Frame	6.806,00	54.448,00	0
4.2	8,00	Piece	302021-515*294-015-Z ActiMot2 Z-Frame - 515*294mm, 15mm IR spacing for monitoring vertical activity. Rearing Indicator Extension Unit for 302021-515*294-015-X(Y) for detecting the vertical (rearing or jumping) activity (Z-axis) in small laboratory animal. Technical data: <ul style="list-style-type: none"> • Inner frame size: 515 * 294 mm • IR sensors on the Z-axis: 32 • Distance between IR sensors: 15 mm. Requires: 302021-515*294-015-X(Y) ActiMot2 X(Y)-Frame	4.018,00	32.144,00	0
4.3	16,00	Piece	302021-515*294-TP Template for ActiMot2 Frame 515*294mm for fixation of a home cage in the ActiMot2 Frame. Please specify cage size.	93,00	1.488,00	0
				amount carried over	294.031,00	

Pos.	Qty. QU	Cat.-No. / Description	Unit Price	Total Price TC
4.4	1,00Piece	302021-C-08 ActiMot2 Control Unit for 8 ActiMot2 Measuring Units, extendable to up to 32 Measuring Units. Complete and comprising: • Control Unit System • Special Interface System Integrable into LabMaster / PhenoMaster System. Requires: Computer or LabMaster / PhenoMaster Control System as well as Software 302021-S-08.	4.830,00	4.830,00 0
4.5	1,00Piece	302021-S-08 ActiMot2 Software Package for 8 ActiMot2 Measuring Units, extendable. Complete and comprising: • Software Package Integrable into LabMaster / PhenoMaster System. Required: Computer or LabMaster / PhenoMaster Control System as well as Control Unit 302021-C-08.	4.059,00	4.059,00 0
4		Activity XYZ		96.969,00

amount carried over 302.920,00

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TSE Systems GmbH *
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61352 Bad Homburg / Germany

Tel. +49(0)-6172-789-0
Fax +49-(0)6172-789-500

Register
Man. Dir.

VAT-Id No.

E-Mail
Internet

Bad Homburg HRB 4642
Hans-Peter Engler
Jens-Uwe Engler
DE 114 222 856
info@TSE-Systems.com
www.TSE-Systems.com

Banks

Commerzbank AG Bad Homburg
BLZ 500 400 00
Konto 34 18 688 00
S.W.I.F.T.-Code COBADEFF 501
IBAN DE75 5004 0000 0341 8688 00

Postbank Frankfurt am Main
BLZ 500 100 60
Konto 791 90-606

S.W.I.F.T.-Code PBNKDEFF 500
IBAN DE37 5001 0060 0079 1906 06

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Pos.	Qty. QU	Cat.-No. / Description	Unit Price	Total Price TC
5		Operant Behavior		
5.1	8,00Piece	259900-OW-PM Operant Wall for PhenoMaster For built into home cage (please specify cage type). Modular structure for connecting a wide range of function elements, e.g.: • Stimulus elements • House Light • Speaker • Sonalert • Stimulus-Lamps or Stimulus-Lamp-sets • Olfactory Moduls • Response elements • Reaction-Keys • Nose Poke modules • Reinforcer elements • Pellet Dispenser (Pellet / Liquid) • Running Wheel • Air Puff For connecting to control-unit 259900-C-PM-XX & software package 259900-S-PM-XX.	795,00	6.360,00 0
5.2	1,00Piece	259900-S-PM-08 Software Package for 8 Operant Walls (PhenoMaster) extendable. Complete and comprising: • Software Package Integrable into PhenoMaster System. Required: Computer or PhenoMaster Control System as well as Control Unit 259900-C-PM-08.	5.986,00	5.986,00 0
5.3	8,00Piece	259900-FC/R Food Crib for all Skinner boxes Rat with 1 multi-function-panel. Will be mounted to an empty box side wall.	261,00	2.088,00 0
5.4	8,00Piece	259900-HL House Light (please specify color).	138,00	1.104,00 0
5.5	16,00Piece	259900-RRT-R Retractable (automatic) Response Lever Rat.	526,00	8.416,00 0
5.6	8,00Piece	259900-LD/HED-IR/R Head Entry Detector for Liquid Dispenser 'Advanced' & 'ultra-precise' for Rat. Type: infra-red beam detector.	85,00	680,00 0
5.7	8,00Piece	259900-LD-A/R Liquid Dispenser 'Advanced' for rat.	1.391,00	11.128,00 0

amount carried over 338.682,00

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Pos.	Qty. QU	Cat.-No. / Description	Unit Price	Total Price TC
5.8	8,00Piece	259900-ST-S Stimulus Lamp Triple-Set (red, green, yellow).	264,00	2.112,00 0
5.9	1,00Piece	259900-C-PM-08 Control Unit for 8 Operant Walls (PhenoMaster) extendable. Complete and comprising: • Control Unit System • Special Interface System Integrable into PhenoMaster System. Requires: Computer or PhenoMaster Control System as well as Software 259900-S-PM-08.	9.225,00	9.225,00 0
5		Operant Behavior		47.099,00
6		Running Wheel Systems Multifunctional Running Wheel Systems • Voluntary Running Wheels • Forced Running Wheels (motor driven) for laboratory animals (rodents, etc.). Voluntary Running Wheels usable for: • Running Wheel activity in home cages or other environments (short-term or long-term experiments; circadian rhythms) • Motor Skill Tests (variable distance between rods) • Time controlled and distance controlled function "Enabled / Disabled" (not when used with counter) • Automated Workload Control (not when used with counter) • Operant control in combination with Operant Wall Forced Running Wheels usable for: • Forced Wheel Running manual controlled • Forced Wheel Running computer controlled with programmable speed profiles • Exercise calorimetry (CaloWheel) manual controlled • Exercise calorimetry (CaloWheel) computer controlled with programmable speed profiles Can be combined with other systems of the LabMaster / PhenoMaster research platform. x Wheel system, extendable to up to 512 Wheels, consisting of (for connecting to stand-alone control, computer or LabMaster / PhenoMaster Control):		

amount carried over 350.019,00

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Pos.	Qty. QU	Cat.-No. / Description	Unit Price	Total Price TC
6.1	8,00Piece	303400-RW-V-R-BU Basic Unit for Voluntary Running Wheel Rat without drum. For built into home cage (please send sample cage when ordering) or as stand-alone version. For connecting to control-unit/software package or counter. A special sensor observes the direction of the turns and the rotation with a resolution of 90° (only if connected to control-unit/software-package). Available drums: • Drum Standard • Drum for Motor Skill Tests	571,00	4.568,00 0
6.2	8,00Piece	303400-RW-V-R-D1-S Drum Standard for Voluntary Running Wheel Rat. For connecting to basic unit. For measuring spontaneous activity on Rats. The wheel is fixed on one side and can be easily removed for cleaning purposes. Dimensions: • Diameter drum: 250 mm • Width drum: 80 mm • Diameter stainless steel grid rods: 6 mm • Distance between rods: 15.5 mm (center to center) Other dimensions on request. Also available: • Drum for Motor Skill Tests • Wheels for Mice Options: • Enabled / Disabled function • Electronic brake for automated workload control (includes Enabled / Disabled function) • Various stimuli (self stimulation, foot shock)	856,00	6.848,00 0
6.3	8,00Piece	303400-RW-V-EDF Enabled / Disabled Function Extension unit for Voluntary Running Wheels. Requires: control unit & software package Running Wheel.	310,00	2.480,00 0
6.4	8,00Piece	303400-ADPT RUNNING WHEEL cage adapter kit Rebuild for a cage lid. Necessary, if the Running Wheel is supposed to be placed into a cage, but too large.	321,00	2.568,00 0

amount carried over 366.483,00

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Pos.	Qty. QU	Cat.-No. / Description	Unit Price	Total Price	TC
6.5	8,00Piece	303400-S-001 RUNNING WHEEL Software Licence 1 Channel. For 1 Running Wheel, complete and comprising: • Software Package with all modules, e.g.: • Standard parameters • Motor Skill Testing • Enabled / Disabled Function • Automated Workload Control Integrable into LabMaster / PhenoMaster System. Required: 1 Software Licence per Running Wheel.	289,00	2.312,00	0
6.6	1,00Piece	303400-C/08 RUNNING WHEEL Control-Unit for up to 8 Running Wheels, extendable. Complete and comprising: • Control Unit System • Special Interface System Integrable into LabMaster / PhenoMaster System. Requires: Computer or LabMaster / PhenoMaster Control System as well as Software 303400-S-08.	4.208,00	4.208,00	0
6		Running Wheel System		22.984,00	
7	1,00Piece	994640-PM-AM-01 Alarm Module PhenoMaster / LabMaster • Control unit for alarm with built-in uninterruptible power supply (UPS) • USB Connection to PC or Notebook / WINDOWS 7 or XP • Software module • Cable set	3.273,00	3.273,00	0
8	1,00Piece	999901-12-05 Installation / Training on-site, including all travel costs.	5.740,00	5.740,00	0

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			Subtotal EUR	382.016,00
less Resales Discount	40,00 % of	376.276,00		-150.510,40
plus Packing				4.051,35 0
plus Customs Clearance				100,00 0
Subtotal				235.656,95
plus VAT with tax code	0 0,00 % of	235.656,95		0,00
			TOTAL EUR	235.656,95

Terms of payment:

Payment: Prepayment or L/C

Different payment terms, if the package „Installation/Training„ is included:

- 90% of invoice due within 14 days of shipment/invoice date.
- 10% of invoice due within 14 days of the signed off installation/training but not later than 90 days from shipment/invoice date.

TSE Systems instrumentation are covered by our 2 years ALL-IN Premium Warranty & Service Package:

- free of charge support, repair or replace; by phone, e-mail, remote or on-site as needed
- free of charge use of our 24/7 support hotline
- free of charge software updates
- unlimited software licenses for analysis for most products (ask for product list)

This ALL-IN Premium Warranty & Service Package can be extended.

Delivery time: On request

Validity of quotation: 90 days

Positions marked with "optional / alternative" are not included in the TOTAL.

If fees and charges for freight, insurance and packing are shown, they do not refer to the positions marked with "optional / alternative".

Please do not hesitate to contact us, if you have further questions.

We are looking forward to hearing from you.

Sincerely yours,
TSE Systems GmbH

Ekaterina Reinelt

Head Office
TSE Systems GmbH *
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