



Headquarters: St. Paul, MN, USA

Regional Offices: China • France • Germany • Italy • The Netherlands • UK

March 9, 2016

To Whom It May Concern:

Data Sciences International (DSI) is the only company that we are aware of providing implantable transmitters that can measure continuously blood pressure, ECG, temperature and motor activity signals in conscious freely moving small animals, and are supported by a completely integrated data acquisition and analysis system.

In addition, DSI HD series devices are capable of digitally transmission of device unique identification, cumulated battery use and calibrations values.

We are dedicated to innovation and have continually improved upon our numerous patented technologies to provide researchers with the purest form of data currently possible in lab animal monitoring.

Feel free to contact us with any questions.

Eric Rieux  
*Director of Sales, Europe and Asia-Pacific*

Data Sciences International (DSI)  
Tel: +33(0)4 50 77 33 66  
[erieux@datasci.com](mailto:erieux@datasci.com)

Fo. Germany: Marketing & Distribution (P) Ltd

  
Anita Talwar

Director



Headquarters: St. Paul, MN, USA

Regional Offices: China • France • Germany • Italy • The Netherlands • UK

December 11, 2015

**Re: Certificate of Authorized Distributorship in India**

To Whom It May Concern:

We hereby certify that Gentech Marketing and Distribution (P) Ltd located at B116 & B 117 R G complex, D B Gupta Road, New Delhi, is the Sole Import Distributor for sales and distribution of products, in all markets and channels of distribution in Territory consisting of India for DATA SCIENCES INTERNATIONAL ("DSI").

As sole import distributor in India, Gentech is authorized to purchase products from DSI and resell them in India. In furtherance of its distribution efforts, Gentech may also provide after sales technical support, conduct on site product training, and initiate repair and warranty claims as they relate to DSI products. DSI's responsibilities to purchaser are set forth in DSI's applicable product warranties.

DSI is a C-corporation duly organized under the laws of the State of Delaware in the United States of America with principal office at:  
119th 14th Street NW  
St. Paul, MN 55112  
USA

This certificate shall remain valid until December 31, 2016 unless otherwise noted. Should you have any questions, please feel free to contact me or DSI directly.

Sincerely yours,

Eric Rieux  
*Director of Sales, Europe and Asia-Pacific*

Data Sciences International (DSI)  
Tel: +33(0)4 50 77 33 66  
[erieux@datasci.com](mailto:erieux@datasci.com)

Authorized Marketing & Distribution in India

Director

## **Specification of Implantable Telemetry System to measure bio-potential & pressure signal simultaneously from small laboratory animals**

Implantable telemetry system is essential to study the effects of drug or chemical in small laboratory animals by measuring the different bio-potential, blood pressure signal from stress free, freely moving animals in home cage.

The System is composed of the following components & features:-

- 1) It should be a complete system having transmitter for recording of bio-potential & pressure signal, receiver for plastic cage and data acquisition hardware, analysis software and other accessories.
- 2) Transmitter should be of two types, one will be for measurement of pressure, bio-potential, Activity, temperature & other type will be for bio-potential, temperature.
- 3) The weight & volume of the pressure transmitter should not be more than 8gm & 5.9cc respectively with battery life of minimum two months.
- 4) The weight & volume of the bio-potential transmitter should not be more than 7gm & 3.7cc respectively with battery life of minimum three months.
- 5) These transmitters should be reusable & can be exchanged.
- 6) Receiver should be compatible & can be able to collect signals from these two types of transmitters.
- 7) It should have visual indicator of performance of signal strength of receiving data and power on sign.
- 8) It should be useful for monitoring & collecting data from small laboratory animals housed in plastic cage.
- 9) Ambient pressure references should come with the system & useful for accurate pressure measurement.
- 10) It should be typical type of barometer and can measure atmospheric pressure.
- 11) It should be helpful when measuring pressure via blood pressure transmitter in order to compensate for the absolute measurement taken by the transmitter.
- 12) Hardware system should have the capability for simultaneous sampling from up to eight transmitter.
- 13) It should have the ethernet connectivity providing improved system portability.
- 14) It should have automatic receiver detection and dynamic connectivity monitoring.
- 15) It should have the facility to easy access to high definition transmitters by automatic detection of transmitter serial number, battery on time counter and auto calibration.
- 16) Software should have the capability to record & analyze blood pressure & bio-potential signals.
- 17) Electrocardiogram analysis software should analyses accurately ECG Complexes with the help of ECG cycle detection method.
- 18) It should also calculate RR Interval, Corrected QT calculations, wave height & cross comparisons.
- 19) Pressure analysis software should analyze blood pressure from the circulatory system and can derive on a beat to beat basis values for the cardiac cycle such as Diastolic, Systolic, Heart Rate & dp/dt.
- 20) The system can be upgrade to measurement of continuous blood glucose level for small animal.

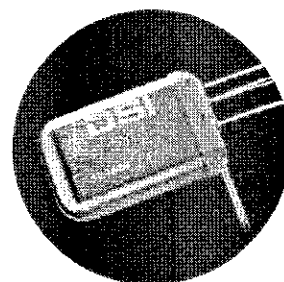
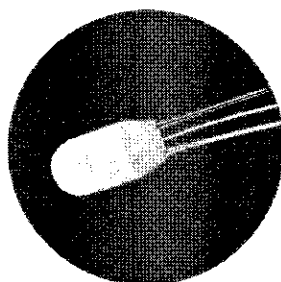
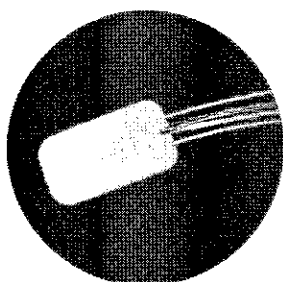
Signature of Dr. S. K. Singh

  
Dr. S. K. Singh

Guide to DSI's

# Implantable

## Telemetry Devices



***In Vivo* Physiologic Monitoring Solutions** for Animal Models  
Ranging from Mice and Rats to Dogs and Non-Human Primates

**DSI**<sup>TM</sup>

Better Data. Better Science.

## Implantable Telemetry Devices from DSI

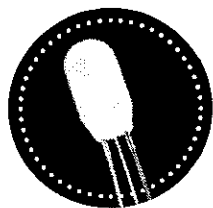
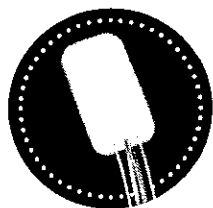
DSI's PhysioTel™ implants are designed for monitoring and collecting data from conscious, freely moving laboratory animals—providing stress-free data collection while eliminating percutaneous infections. PhysioTel implants are offered in different sizes to support a variety of research models ranging from mice and rats to dogs and non-human primates. The shape of DSI implants are also designed to accommodate various surgical placements, including subcutaneous and intraperitoneal placement.

### Physiologic signals measured include:

- Pressures: arterial, venous, left ventricular, ocular, bladder
- Biopotentials: ECG, EMG, EEG, EOG
- Blood glucose
- Respiration
- Temperature
- Activity

DSI offers a variety of implant models to help researchers optimize data collection and simplify studies. All PhysioTel implants may be switched on/off *in vivo* to extend study duration.

## PhysioTel™ HD Implants



DSI's PhysioTel HD implants allow researchers to focus on what matters — Research.

### Ease of use

- Auto-configuration of implants to save time
- Encoded animal ID to prevent wrong data collection
- Device on-time counter to track remaining battery life

### Enhanced performance

- Improved parameter sensitivity
- Reduced pressure channel drift and improved accuracy
- Consolidate studies with more signal types combined into a single implant

### Proven success

- Proven chronic *in vivo* pressure sensing
- Versatile platform supports a wide range of research applications
- Established in the global research community

New to the HD platform, the HD-XG glucose telemetry implant offers preclinical diabetes and metabolic disease scientists a novel solution to obtain continuous, real-time blood glucose measurements in rats.

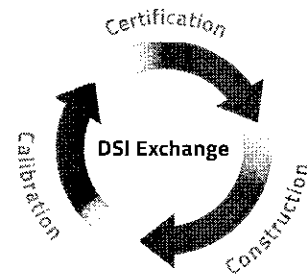
## DSI Exchange for Telemetry Implants

DSI Exchange allows customers to exchange their used telemetry implants for replacement devices at a fraction of the cost of the original purchase price.

We ensure that each implant manufactured as part of DSI Exchange meets or exceeds design specifications for guaranteed performance and quality. Participating in DSI Exchange contributes to a decrease in the overall cost of each customer's study.

Ask about our option to pre-pay for exchanges -- maximize your budget and purchase telemetry implants according to your budget cycle.

Learn more about DSI Exchange at [www.datasci.com](http://www.datasci.com)

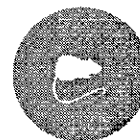


## Advantages of Telemetry

- Animals can be chronically instrumented and used sequentially as their own control or in multiple studies to reduce the number of animals.
- Stress artifact induced by handling is avoided.
- Physiologic measurements can be obtained around the clock with no lab personnel present.
- Decreases the costs of many protocols by reducing the number of animals required.
- Reduces animal maintenance costs.

## Extra-Small Implants (For animals weighing 17 g or more).

All extra-small implants are designed for use in cages that measure 33 x 33 x 14 cm. Species commonly monitored with extra-small implants include mice, hamsters, gerbils, and juvenile rats.



Model	Pressure	Biopotential	Temperature	Activity	Warranted Battery Life (Months)	Implant Weight (g)	Implant Volume (cc)	Minimum Animal Weight (g)*
HD-X10	1		1	1	1.5	2.2	1.4	19
HD-X11	1	1	1	1	1	2.2	1.4	19
PA-C10	1			1	1.5	1.4	1.1	17
ETA-F10		1	1	1	2	1.6	1.1	17
F20-EET		2	1	1	1.5	3.9	1.9	20
TA-F10			1	1	6	1.6	1.1	17
ETA-F20		1	1	1	4	3.9	1.9	20

\*All minimum animal weights assume subcutaneous implantation. Intraperitoneal implantation would require a larger animal.

## Small Implants (For animals weighing 175 g or more).

Small implants are designed for use in cages that measure 42 x 42 x 18 cm. Species commonly monitored with small implants include rats, guinea pigs, rabbits, ferrets, and marmosets.



Model	Pressure	Biopotential	Glucose	Temperature	Activity	Warranted Battery Life (Months)	Implant Weight (g)	Implant Volume (cc)
HD-S10	1			1	1	5	4.4	3.1
HD-S11	1	1		1	1	2	8	5.9
HD-S21	2	1		1	1	2	8	5.9
HD-XG°			1	1	1	1	2.2	1.4
4ET^		4		1	1	3	12.8	8.8
F50-EEE		3			1	2	11.5	5.5
F40-EET		2		1	1	3	7	3.7
CTA-F40		1		1	1	6	8	4.2
F40-TT				2	1	4	7.5	3.5
TA-F40*				1	1	12	7.25	3.5
F50-W-F2 ‡^					1	2	12	5.5

\*Sensor warranty is 28 days. Measurement range of 10-750 mg/dL (0.5-42 mmol/L).

^Minimum animal weight is 200 g.

\*Available with an external thermistor probe if desired. A version of the TA-F40 with increased signal transmission distance is also available.

‡ F50-W-F2 implant records sympathetic nerve activity (SNA).

## Large Implants (For animals weighing 2.5 kg or more),

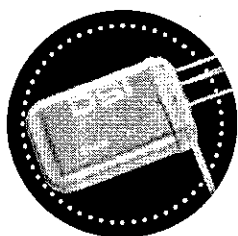


PhysioTel™ Digital implants have a 3-5 m transmission distance. PhysioTel D70 implants are designed for use in cages that measure 1 m<sup>3</sup>, however, multiple RMC-1 receivers can be used to ensure signal detection in a larger cage. Species commonly monitored with large implants include, but are not limited to, non-human primates, dogs, rabbits, and swine.

Model	Pressure	Respiration	Biopotential*	Temperature	Activity	Warranted Battery Life	Implant Weight (g)	Implant Volume (cc)
M00				1	1	100 days	13.7	11
M01			1	1	1	40 days	13.7	11
M10	1			1	1	55 days	13.7	11
M11	1		1	1	1	35 days	13.7	11
L11	1		1	1	1	105 days	56	29
L21	2		1	1	1	84 days	56	29
D70-PCTR	1	1	1	1	1	2.5 months	49	33
D70-PCTP	2		1	1	1	2.5 months	49	33
D70-CCTP	1		2	1	1	2.5 months	49	33
D70-PCT	1		1	1	1	3.5 months	49	33
D70-EEE			3		1	2 months	37	25
CTA-D70			1	1	1	4 months	30	20
PA-D70	1				1	4 months	37	25
TA-D70				1	1	11 months	40	25

\*Implants with biopotential channels can be ordered with a Solid Tip Lead to acquire "clean" ECG signals.  
All L21 and L11 models are manufactured with the Solid Tip Lead, unless requested otherwise.

## PhysioTel™ Digital Implants



**Simplify.  
Enhance.  
Improve.**

PhysioTel Digital is the first fully digital large animal telemetry system that advances your research by simplifying study execution, enhancing animal welfare, and improving data accuracy.

### Simplify study execution

- Reduce study start-up time
- Automated positive animal ID to avoid animal handling mistakes
- Implants automatically turn off when not on study to maximize device life

### Enhance animal welfare

- Social housing compatible
- Longer transmission range
- Increased implant longevity enables longer study periods

### Improve data accuracy

- Clean, digital data
- Encoded animal ID
- Improved sensor performance

## About Data Sciences International

DSI is a pioneering biomedical research company focused on preclinical systems physiology and pharmacology. The recognized global leader in physiologic monitoring, DSI offers telemetry, pulmonary solutions, software, and services that facilitate accelerated, well-informed drug therapy and development decisions.

DSI serves many industries including: Pharmaceuticals, Academia, Contract Research Organizations, Biological and Chemical defense, the Medical Device Industry, Government, and Biotechnology companies. We offer solutions that are tailored specifically to meet the unique research needs of our customers.

### Headquarters and North American Sales:

1-800-262-9687 (U.S.)  
1-651-481-7400 (International)  
[sales@datasci.com](mailto:sales@datasci.com)

### European Sales:

Tel: 31-13-5479356  
[europe-sales@datasci.com](mailto:europe-sales@datasci.com)

### Asia Pacific Sales:

Tel: 86-21-50793177  
[dsi-shanghai-office@datasci.com](mailto:dsi-shanghai-office@datasci.com)

[datasci.com](http://datasci.com)



# GENTECH MARKETING & DISTRIBUTION PVT LTD

To  
The HOD  
Regional Institute of Medical Science, (RIMS)  
Imphal

Date 18-Mar-16

Vaidity 180 Days

Ref Annexure A of Quote No 180316ATT30

Quotation No 180316ATT30

## AMC, CMC & Consumable Item Charges

### AMC Charges after Warranty Period

AMC Charge for the 1st year after warranty will be 2.5% of the total value

AMC Charge for the 2nd year after warranty will be 5% of the total value

AMC Charge for the 3rd year after warranty will be 7.5% of the total value

AMC Charge for the 4th year after warranty will be 10% of the total value

AMC Charge for the 5th year after warranty will be 2.5% of the total value

### CMC Charges after warranty period

CMC Charge for the 1st year after warranty will be 5% of the total value

CMC Charge for the 2nd year after warranty will be 10% of the total value

CMC Charge for the 3rd year after warranty will be 15% of the total value

CMC Charge for the 4th year after warranty will be 20% of the total value

CMC Charge for the 5th year after warranty will be 25% of the total value

### Consumable Item Charges

1	270-0041-001	TA11CTA-F40 Transmitter cost	₹ 158,222.00	₹ 158,222.00
1	270-0193-001	Pressure, Biopotential, Temperature, Activity measuring transmitter cost	₹ 443,111.00	₹ 443,111.00

### Ordering information

Gentech Marketing And Distribution Pvt Ltd  
B116 R G complex Moita Khan Pahargunj New Delhi-55  
Contact No: - 011-47563575, 9871402197  
Email id: - gentechmd@yahoo.com

Authorized By

Director  
Gentech Marketing and Distribution Pvt Ltd

### Banking Information

Bank Name: - Axis Bank Ltd  
Account No: - 223010200002905  
IFSC Code: - UTIB0000223  
A/C Name: Gentech Marketing  
& Distribution Pvt Ltd

# GENTECH MARKETING & DISTRIBUTION PVT LTD

To: HOD Department of Pharmacology RIMS Imphal			Date	17-Jun-16
			Warranty	12 Months
			Payment Terms	As Per Tender
			Validity	120 Days
			Delivery	90 Days ARO
			Quotation No	180316ATT30
QTY	Item No.	Description	Unit Price	Amount
		PONEMAH STARTER SYSTEM COMPONENTS	₹ 16,00,000	₹ 16,00,000
1	PNM-P3P-MX204	Ponemah 6.10 Software		
1	PNM-P3P-MX204	Ponemah Core Software Configured with MX2 4 Source Acquisition Interface		
1	PNM-ECG100W	Electrocardiogram Analysis Software Module v5.30		
1	PNM-BP100W	Blood Pressure Analysis Software Module		
1	275-0020-001	Ambient Pressure Reference		
1	275-0248-001	Ethernet to Serial Converter for APR-I		
1	274-0021-001	Power Cord for 220V Power Supply		
1	271-0119-001	Matrix 2.0		
1	RV130	Cisco RV130 VPN Router		
1	SG200-08P	Cisco 8 Port Gigabit Switch		
		IMPLANTS AND RECEIVERS		
4	272-6001-001	Receiver for Plastic Cages with a 4.5 meter cable		
2	270-0041-001	TA11CTA-F40 Biopotential, Temperature, & Activity		
2	270-0193-001	Pressure Transmitter, Biopotential Leads, Temperature & Activity		
1	276-0013-001	Small Animal CTA/CA Starter Kit		
1		IHD-S Starter Kit		
		EXTRA IMPLANTS		
2	270-0041-001	TA11CTA-F40 Biopotential, Temperature, & Activity	₹ 1,58,222	₹ 3,16,444
2	270-0193-001	Pressure Transmitter, Biopotential Leads, Temperature & Activity	₹ 4,43,111	₹ 8,86,222
Total				₹ 28,02,667
Vat @ 5% or NIL against SICO agreement				₹ 1,40,133
Total ( FOR ) with all duties and taxes				₹ 29,42,800

## NOTE :

STARTER SYSTEM ONLY BE OFFERED TO ACEDEMIC OR GOVERNMENT RESAERCHERS  
 ANY ITEMS QUOTED IN ADDITION TO DEFAULT STARTER SYSTEM PRODUCT WILL BE QUOTED AT LIST PRICE  
 ONE INSTITUTE CAN BE SOLD ONE STARTER SYSTEM  
 THE INSTITUTE SHOULD PROVIDE VALID CDEC OTHERWISE CUSTOM DUTY WILL BE CHARGED  
 AS ACTUALS

The above product are from Data Sciences International USA  
 Data Sciences International  
 119 14th Street NW  
 St. Paul, MN 55112

## Banking Information

Bank Name: - Axis Bank Ltd  
 Account No: - 223010200002905  
 IFSC Code: - UTIB0000223  
 A/C Name: Gentech Marketing  
 & Distribution Pvt Ltd

Authorized By

Director  
 Gentech Marketing and Distribution Pvt Ltd