DRS rank (6)

JHCEHSHS STUDENT TECHNOLOGY FEE REQUEST FORM

Procedure for Submission:

Form Updated: 10/7/11

1. Submitter must obtain all required information from the desired vendor(s). An official quote from the vendor must be attached.
2. Only one request per Request Form. This request must be reviewed, approved, and submitted by the requesting program's Department Chair.
3. The Dept. Chair may upload the request to the Tech Fee share directory on the Z: drive. *(Since some departments will have multiple requests, please rename request in the following format XXXX_Request_# where "XXXX" is your department and "#" is the numbering of your request)*

Dept. making request:	Rehabilitation Sciences	Requesting Faculty:	Martin S. Rice, PhD, OTR/L
Date submitted:	2/17/12	Requested purchase date:	5/1/12

IMPORTANT: Attach an official quote from the vendor.

List one item OR group (for use as a "package") per page.

Item Name and Description	Vendor info. (name, address, Web site URL, phone #, email, etc.)	Part or Model #	Cost (each)	Quantity	Total
FUTEK Tri-Axial Force Gauges	**John Vargas** Sales Team john@futek.com FUTEK Advanced Sensor Technology, Inc. 10 Thomas Irvine, CA 92618, USA Voice: (949) 465-0900 x 9646 Fax: (949) 465-0905 A2LA Accredited Calibration	FUTEK MTA400 Package with QiA103 amplifier	**$13,596.00**	1 package (contain two gauges)	**$13,596.00**

Course(s) where item(s) will be used	OCCT 710, OCCT 702, OCCT 704, OCCT805, OCCT813, OCCT814	**Required for accreditation?**	**No, but will be used to support our accreditation**	**# Students Impacted per Year**	40+
Rate Departmental Priority (Low, Medium, High)		**Location equipment of software will be used**		2100 HH	

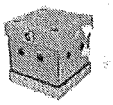
Impact on student learning:
Many of the patients who are treated by Occupational Therapists have conditions such as traumatic brain injury, stroke, orthopedic injury, and birth defects that significantly impair their ability to move normally. A critical part of treating such patients is the assessment of their movement disorders including the hand forces required to perform activities. For this reason it is essential for OT students to engage in studying the foundations and assessment of human movement. This is best done through active participation in the analysis of both normal and pathological movement. A key piece of equipment in providing students with the opportunity to do this is a hand held force gauge system. This system provides students with the capability to actively engage in determining the precise amount of forces at the hands in the (x, y, and z axis) while performing various tasks. This will help to expand their abilities in the diagnosis and treatment of movement disorders. These force gauges are also useful in teaching and researching ergonomic analyses of movement. This is a very important part of the curriculum for OT students and is integrated into six courses, as well as serving as a focal point for many student research projects. The force gauges that we currently have are over ten years old and provide only uniaxial data (i.e., only in the z axis). With the current gauges, data are often lost because they only measure forces that are in line with the gauge. Tri-axial gauges will overcome this problem. Additionally, the current gauges often fail in providing reliable data. Repair costs are greater than what they are worth. Because of their age, as well as due to changes in the technology, these uniaxial gauges have become obsolete; it is no longer possible to get replacement parts for them. Thus, it is essential that the old gauges be replaced with a current force gauge system to insure that our students can continue to participate in this critical part of our curriculum. Virtually ALL Occupational Therapy Students will have the opportunity to work with these gauges, and it will also be used to support student research for those in the Doctorate in Physical Therapy Program. Selection of the specific system identified above (i.e. Futek) was based on its quality and reliability. Additionally, this is the only tri-axial system available.

- ***Equipment/Technology purchased with Tech Fee funds is for student use only. It cannot be filtered or "passed-down" to faculty or staff.***
- All outdated or broken Tech Fee equipment/technology must be returned to the Tech Fee Committee for retirement or disposal.
- If you are submitting a request for computers, printers, scanners or software, you must consult with College Computing and the technology staff, to acquire a quote and to make sure that this equipment/software is supported by UT.
- For software, please note below if you are requesting it as a one-time expense or as an on-going fixed expense.

From: Rice, Martin
To: Rice, Martin
Subject: FW: FUTEK MTA400
Date: Friday, February 17, 2012 4:48:41 PM

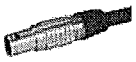
From: John Vargas [mailto:john@futek.com]
Sent: Tuesday, February 07, 2012 2:54 PM
To: Rice, Martin
Cc: John Schnell
Subject: FUTEK MTA400

Force Sensing package with our QIA103 3-channel amplifier to give you a +/-10 VDC output for each channel:



Items

FSH01877 - [2 @ $3600.00 each]
MTA400 , Ch Fx: 250 lb; Ch Fy: 250 lb; Ch Fz: 500 lb , Tri-Axial Load Cell , Material - 2024-T4 , 1/4-28-Thread , 10 Pin Lemo Receptacle, EGG.1B.310.CLL
In Stock



Accessories

FSH02178 - [2 @ $195.00 each]
ZCC930 , 30 ft Long , 10 Pin Lemo Mating with Cable Assembly , Use w/ MTA400, QMA102 (Q12156) , Material - Polyurethane , 30 Awg 10 Conductors , Braided Shielded , FGG.1B.310.CLAD52

The quantity you have specified can be shipped partially: 1 Pieces will be ready immediately and the second in 1 week

Instrument

QSH00224 - [2 @ $1200.00 each]
QIA103, 3 Channels Amplifier Module (Aluminum) , DB15 Female Sensor Connection , Material - 2024-T4

$13,596.00

In Stock

SLB00023 - [6 @ $300.00 each]
NIST Traceable System Calibration w/ Amplifier & Certificate, Tension & Compression, Voltage Output, 5 points

Instrument Accessory

FSH03088 - [6 @ $95.00 each]
IAC180 , Power Supply Kit for CSG110 & QIA103 , w/ Female IAC150 Screw Terminal Adaptor & 5 ft Long , *Standard , Includes 120 VAC Input/12 VDC Output Power* Supply

In Stock

Warranties

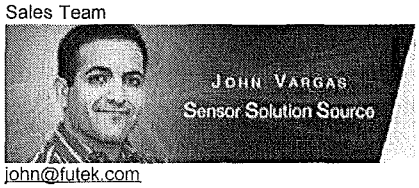
SER00471 - [1 @ $1236.00 each]
3 Years Extended System Warranty (Limited Manufacturing)

Optional

http://www.futek.com/cart.aspx?cartlink=(1)sl22933,ql2,il1,tls*sl23381,ql2,il2,tla*sl19134,ql2,il3,tli*sl20424,ql6,il4,tlis*sl4139,ql6,il5,tlia*sl20478,ql1,il6,tlsw

Regards,

John Vargas
Sales Team



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