

Mississippi State University
Notice of Proposed Sole Source Purchase
245-106

Mississippi State University anticipates purchasing the item(s) listed below as a sole source purchase. Anyone objecting to this purchase shall follow the procedures outlined below.

1. Commodity or commodities to be purchased (make, model, description):

K5 Intellimet wearable CPET unit for exercise & RMR testing

- Opto-Reader (1 pc)
- T3 turbine (2 pcs)
- sampling line
- inspiratory masks with mask adapters (3 pcs XS, S, M) - headgear (1 pc S/M, 1 pc Petite/XS)
- HR Belt (ANT+)
- harness (1 pc adult)
- AC/DC adapter
- rugged carrying case
- rechargeable batteries (2 pcs)
- dual-bay battery charger
- headphones, cables, and accessories
- OMNIA software, user manual

K5 UltraClamp Aluminum Support Clamp

K5 Calibration System

PC & Accessories

Service & Training

2. Explanation of the need to be fulfilled by this item(s), how is it unique from all other options, and why it is the only one that can meet the specific needs of the department:

COSMED is the manufacturer and only distributor of the K5 Intellimet Wearable cardiopulmonary exercise testing (CPET) Unit. The K5 is widely recognized as a gold standard device for portable metabolic testing, with multiple peer-reviewed studies supporting its accuracy and reliability. This device provides portability, precision, and flexibility that are not available in other metabolic analysis devices. Unlike traditional, lab-bound metabolic carts, the K5 unit allows for precise, real-time data collection in a variety of environments, including laboratories, field settings, and athletic training facilities. This feature is particularly

important for research involving sports performance, outdoor exercise, and environmental physiology. Additionally, The K5 offers breath-by-breath analysis, providing high-resolution data essential for identifying small but significant physiological changes during exercise testing or RMR measurements. The device's software is compatible with the department's existing data analysis tools, allowing for efficient data transfer, analysis, and storage. This equipment is needed for us to be comparable to other kinesiology research programs nationally and internationally in methodology for scientific publications.

3. Name of company/individual selling the item and why that source is the only possible source that can provide the required item(s):

COSMED; This is the only manufacturer and distributor of this equipment

4. Estimated cost of item(s) and an explanation why the amount to be expended is considered reasonable:

\$44,366.30 (X 2) – TOTAL \$88,732.60

Metabolic/CPET analysis devices are costly due to the sensitivity and precision that provide. The methods by which these devices work require very tight tolerances and manufacturing processes.

5. Explanation of the efforts taken by the department to determine this is the only source and the efforts used to obtain the best possible price:

COSMED USA, Inc. is the sole manufacturer and distributor of the K5 Intellimet Wearable CPET Unit. Efforts have been made to obtain the best possible price through the following steps:

Internet and Research Searches: The department has searched the internet and scientific journals for portable metabolic analysis devices. The K5 is the portable metabolic analysis most utilized and supported by experts in exercise physiology, sports nutrition, and metabolic research model.

Currently owned equipment: The department currently owns one K5 device.

Vendor Communication: The department confirmed with COSMED USA, Inc., the sole manufacturer and distributor of the K5 Intellimet Wearable CPET Unit, that this is the most recent and advanced model available.

Price Negotiation: Efforts are being made to purchase a K5, with the department receiving improved pricing due to previous purchases from COSMED and continued efforts to build our inventory of compatible equipment.

The decision to proceed with a sole source purchase from COSMED USA, Inc. is based on their status as the only provider of the K5 Intellimet Wearable CPET Unit. This equipment is needed for us to be comparable to other kinesiology research programs nationally and internationally in methodology for scientific publications.

Any person or entity that objects and proposes that the commodity listed is not sole source and can be provided by another person or entity shall submit a written notice to:

Jennifer Mayfield, CPPO
Director of Procurement & Contracts
jmayfield@procurement.msstate.edu
Subject Line must read "Sole Source Objection"

The notice shall contain a detailed explanation of why the commodity is not a sole source procurement. Appropriate documentation shall also be submitted if applicable.

If after a review of the submitted notice and documents, MSU determines that the commodity in the proposed sole source request can be provided by another person or entity, then MSU will withdraw the sole source request publication from the procurement portal website and submit the procurement of the commodity to an advertised competitive bid or selection process.

If MSU determines after review that there is only one (1) source for the required commodity, then MSU will appeal to the Public Procurement Review Board. MSU will have the burden of proving that the commodity is only provided by one (1) source.

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