Specifications of Data Glove

1. Description/End use: Real-time hand-finger motion sensing glove

2. Detailed Specifications:

i.	Hand	Left hand
ii.	Material	Stretchable textile (Lycra/spandex)
iii.	Flexure Resolution	12-bit A/D for each sensor
iv.	Finger motion sensor type	Fiber optic based flex (bend) sensor
v.	Finger motion sensor count	Total: 14 or more Flexion: At least 2 sensors per finger (MCP, PIP) (Total 10 or more), Abduction: At least 1 sensor between each finger (Total 4 or more)
vi.	Computer Interface:	USB RS232 with serial interface kit
vii.	Sampling Rate:	At least 75 samples per second for simultaneous sampling of full hand (all available sensors)
viii.	SDK	Cross-platform SDK for Windows and Linux operating systems.
ix.	Manager utility software	A manager utility software for Windows platform with diagnosis and calibration functionalities

3. **WARRANTY**

   3.1 Comprehensive on-site warranty for a period of one year must be provided to be effective from the date of final acceptance of the items/equipment at the User's laboratory/Institute.

4. **QUALIFICATION**

   4.1 OEMs or their authorized vendors.