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Specifications of LED Fluorimeter with Consumable & Accessories for
Applied Physics Deptt., GZSCCET, Bathinda.

Sr. No.	Description of Item	Qty.	Unit
1	<p>LED Fluorimeter : Analytical Technique : Fluorescence of uranium salt. Element Analysed : Uranium in aqueous medium. Excitation Source : LEDs (Light Emitting Diode). Detector : Photomultiplier tube. Analyte Volume : Minimum 6ml. Cuvette : External Size – 12.5mm x 22.5mm x 45mm. Made from Ultra low fluorescence Fused Silica. Open top with PTEE lid. Dynamic range : 0.1 – 1000 ppb. Accuracy : 5 % or 0.025 ppb whichever is larger. Reproducibility : Better than 5% under identical conditions. Mode of Operation : Standard Addition Mode (Spike Mode). Calibrated Fluorescence Mode. Uncalibrated Fluorescence Mode. (Count Mode). Averaging : Over 1280 pulses. Measurement time : About 1 sec. Display : Full Colour Touch screen, 180mm (7"). Data Processing : The instrument will store more than 10000 measurements. These can be downloaded through pen drive to a PC for further processing. Power Requirement : The unit operates on 19V DC. An adapter to enable operation from 100 – 230 V A/C is provided.</p>	1	No.

Sundar