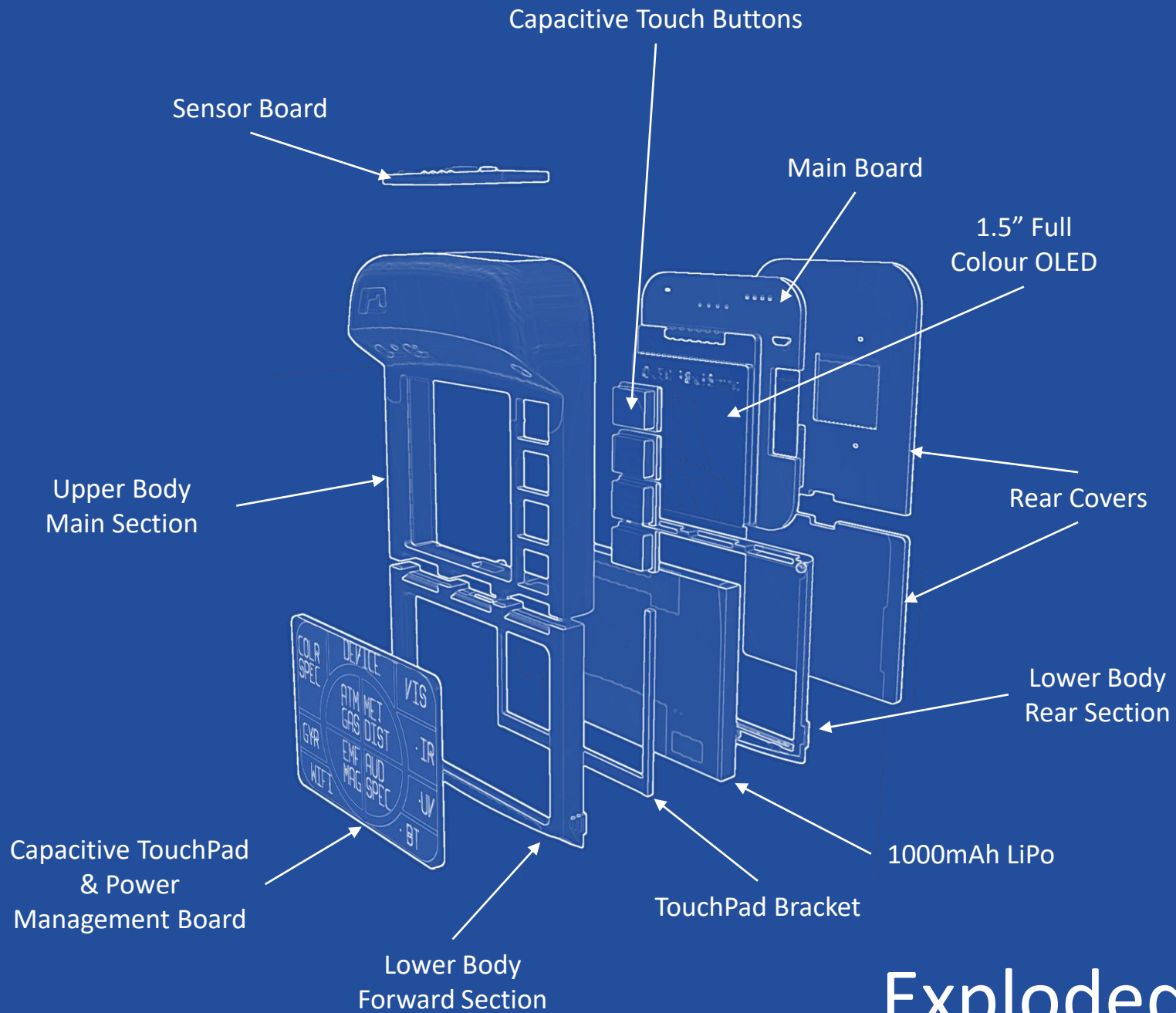


Ultra-Slim Tricorder



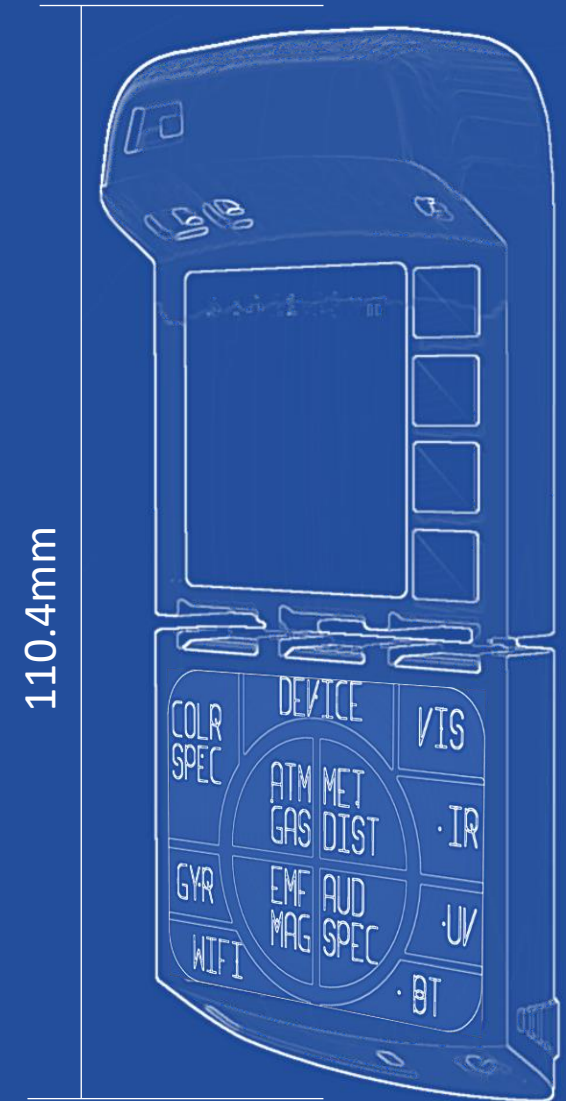
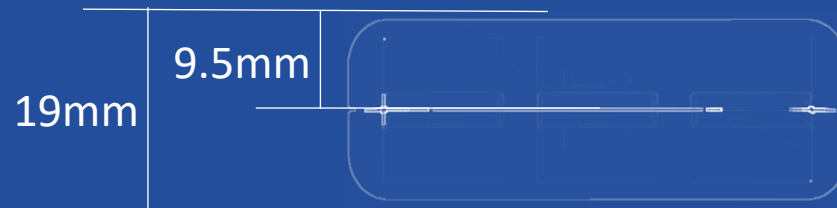
V0.1a

DansDesigns



Exploded View

Dimensions



I2C & 3.3V
Expansion Socket

HMC5883L Magnetometer

BME280 Atmospheric Sensor

VL53L0X Laser
Distance Sensor

LTR-390UV Ultraviolet Sensor

TCS34725 Colour
Spectroscopy Sensor

SI1145 UV/IR/Visible Light
Intensity Sensor

Power LED

Status LEDs

Open-Close Lid Sensor

1.5" OLED

MPU6050 3-Axis
Accelerometer & Gyroscope

Capacitive Button Pads

Multi-Button
Capacitive TouchPad

Serial No. / Model no. / Date of Birth Label

SD Card

Features

Functions

Upper Touch Buttons

Main-Functions:

- 1 - Next Page in same sensor group
- 2 - scan frequency toggle: 333ms/3 seconds
/10 seconds/1 min
- 3 - begin/stop record data for 5 seconds?
/ single data log?
- 4 - memory playback for selected mode,
-SEE MEMORY FUNCTIONS



MEMORY - FUNCTIONS:

- 1 - next entry
- 2 - previous entry
- 3 - delete entry
- 4 - exit memory playback

Mpr121 pin - Lower TouchPad - Functions:

9	-	COLR SPEC	-	Colour Spectroscopy
8	-	GYR	-	Gyroscope/Accelerometer
6	-	WiFi	-	WiFi toggle
10	-	DEVICE	-	About/Device Specs, storage used/free etc
11	-	ATM GAS	-	Temperature, Humidity, Pressure, Altitude & Gas
0	-	MET DIST	-	Metric Laser Distance Meter
7	-	EMF MAG	-	Magnetic field/Compass (Multi-Page)
1	-	AUD SPEC	-	Audio Spectrum
2	-	VIS	-	Visible Light/Colour Spectroscopy (Multi-Page)
3	-	IR	-	Infrared Radiation
4	-	UV	-	Ultraviolet Radiation
5	-	BT	-	Bluetooth toggle

