1. How will you use the sensor?  
   a. measurement medium will be Liquid petroleum gas (LPG)  
   b. Ultrasonically while attached to the metallic surface of the LPG gas cylinder  
   c. How to install? Attached on the base of the metallic gas cylinder.  
   d. What function does it achieve? The sensor is to send the volume of the LPG in the cylinder to an android/ios app

2. Parameter requirements  
a. Range should be from 50 to 2000mm  
b. measurement angle? The sensor is to be attached to the bottom of LPG cylinder (preferably magnetic attachment)  
c. Power supply mode? 3.3 to 12 v DC and peak current of 100mA  
d. Output requirements is UART  
3. Protection requirements  
a. Indoor or outdoor? Will be used indoor  
b. Is there any large electrical equipment running around the sensor? No  
c. What kind of protection the equipment needs? Needs GND for electrical protection and a casing to mechanically protect the sensor while attaching it to the metallic surface of the LPG cylinder  
d. The temperature, humidity, corrosion of the sensor using environment? Operating temperature is from -15 to 60 degrees Celsius and humidity is from 65 to 80% RH