Electric Parameter

Working Voltage	DC 5 V
Working Current	15mA
Working Frequency	40Hz
Max Range	4m
Min Range	2cm
MeasuringAngle	15 degree
Trigger Input Signal	10uS TTL pulse
Echo Output Signal	Input TTL lever signal and proportion
Dimension	45*20*15mm

initial reading	Reading {60in=152cm Book}	Reading {30in=76.2cm Book}
1203.71cm	154.88cm	78.12cm
1203.88cm	154.84cm	77.78cm
1203.84cm	155.33cm	77.66cm
1203.83cm	156.59cm	77.86cm
1203.55cm	156.34cm	77.95cm
1203.74cm	156.76cm	78.29cm
1203.64cm	156.12cm	78.31cm

initial reading	Reading {60in=152cm Small Box}	Reading {30in=76.2cm Small Box}
1204.34cm	149.64cm	78.22cm
1204.09cm	149.62cm	78.12cm
1204.00cm	149.59cm	78.14cm
1204.21cm	149.52cm	78.16cm
1204.41cm	152.24cm	77.95cm
1204.40cm	151.42cm	787.14cm
1204.59cm	153.50cm	77.95cm

initial reading	Reading {60in=152cm Large Box}	Reading {30in=76.2cm Large Box}
1204.21cm	151.78cm	72.55cm
1204.31cm	153.10cm	71.83cm
1204.40cm	116.79cm	72.98cm
1204.43cm	153.33cm	70.84cm
1204.28cm	151.93cm	70.01cm
1204.22cm	152.03cm	72.66cm
1204.40cm	151.95cm	73.90cm

READING < 2cm:

5.38cm	3.74cm
5.38cm	3.76cm
1204.88cm	3.74cm
5.28cm	5.05cm
5.05cm	9.33cm

FINDINGS:

1) Repeatability: Easy

2) Utilizing a box did not help readings at least at close ranges. In fact, due to the fact of

3) Something that was quite intersting is the larger the box, the more accurate and preci

4) Is a very precise sensor

5) Sensor min. range = same as tested range. 1in=>2.54cm was accurate and precise. Wh

l the range in

Reading {15in=38.1cm Book}	Reading {5in=12.7cm Book}	Reading {1in=2.54cm Book}
TEST 1		
38.86cm	12.48cm	2.67cm
39.09cm	12.02cm	2.76cm
38.98cm	12.38cm	2.76cm
38.62cm	12.38cm	2.78cm
39.78cm	12.38cm	2.76cm
37.93cm	12.84cm	2.66cm
38.62cm	12.67cm	2.78cm

TEST 2		
Reading {15in=38.1cm Small Box}	Reading {5in=12.7cm Small Box}	Reading {1in=2.54cm Small Box}
39.55cm	16.55cm	2.12cm
40.16cm	17.83cm	4.62cm
39.55cm	17.83cm	4.40cm
39.57cm	20.40cm	2.43cm
40.26cm	16.53cm	2.78cm
40.14cm	17.83cm	2.76cm
39.33cm	18.78cm	2.76cm

TEST 3		
Reading {15in=38.1cm Large Box}	Reading {5in=12.7cm Large Box}	Reading {1in=2.54cm Large Box}
42.09cm	11.67cm	3.00cm
43.53cm	13.43cm	3.09cm
43.62cm	12.03cm	3.09cm
43.52cm	11.43cm	3.76cm
43.22cm	12.48cm	2.78cm
43.22cm	12.03cm	2.78cm
43.24cm	11.67cm	2.76cm

TEST 4

the surface having side flaps, I believe the readings are WORSE at close ranges.
se the readings at LONGER RANGES.

ıen object is located closer than 2.0cm, accuracy and precision drops drastically. Values become unpredictable.