



F2 Labs
16740 Peters Road
Middlefield, Ohio 44062
United States of America
www.f2labs.com

CERTIFICATION TEST REPORT

Manufacturer: Transducers Direct LLC
12115 Ellington Court
Cincinnati, Ohio 45249 USA

Product Name: TDWPG Pressure Gauge

Product Description: The TDWPG measures the pressure of a fluid, such as gas in a cylinder or hydraulic fluid, operating via a 3-Volt lithium battery. The product displays the pressure via the liquid crystal display (LCD). The product also transmits the pressure via Bluetooth to a smart phone or tablet.

Model: TDWPG / GW-DIG3000-1

FCC ID: 2ACGE-TDWPG

Testing Commenced: Oct. 13, 2015

Testing Ended: Oct. 14, 2015

Test Results: In Compliance

The EUT complies with the EMC requirements when manufactured identically as the unit tested in this report, including any required modifications. Any changes to the design or build of this unit subsequent to this testing may deem it non-compliant.

Standards:

- KDB447498



Evaluation Conducted by:

Ken Littell, EMC Tech. Mgr.

Report Reviewed by:

Wendy Fuster, President

F2 Labs
26501 Ridge Road
Damascus, MD 20872
Ph 301.253.4500
Fax 301.253.5179

F2 Labs
16740 Peters Road
Middlefield, OH 44062
Ph 440.632.5541
Fax 440.632.5542

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1 ADMINISTRATIVE INFORMATION

1.1 Measurement Location:

F2 Labs in Middlefield, Ohio. Site description and attenuation data are on file with the FCC's Sampling and Measurement Branch at the FCC Laboratory in Columbia, MD.

1.2 Measurement Procedure:

All measurements were performed according to KDB558074.

1.4 Document History

Document Number	Description	Issue Date	Approved By
F2LQ7692A-03E	First Issue	Jan. 25, 2016	W. Fuster



2 SUMMARY OF TEST RESULTS

Test Name	Standard(s)	Results
RF Exposure for Device >20cm from Human	KDB447498	Complies

Modifications Made to the Equipment
None



3 ENGINEERING STATEMENT

This report has been prepared on behalf of Transducers Direct LLC to provide documentation for the testing described herein. This equipment has been tested and found to comply with KDB447498. The test results found in this test report relate only to the item(s) tested.



4 EUT INFORMATION AND DATA

4.1 Equipment Under Test:

Product: TDWPG Pressure Gauge
Model: TDWPG / GW-DIG3000-1
FCC ID: 2ACGE-TDWPG

4.2 Trade Name:

Transducers Direct LLC

4.3 Power Supply:

Battery-operated; non-rechargeable, disposable

4.4 Applicable Rules:

- KDB447498

4.5 Equipment Category:

Radio Transmitter-DTS

4.6 Antenna:

3.3dBi Internal Antenna

4.7 Accessories:

N/A

4.8 Test Item Condition:

The equipment to be tested was received in good condition.



5. RF EXPOSURE FOR DEVICE >20cm FROM HUMAN

5.1 Requirements:

Limit: 1mW/cm²

Formula used for result: $\frac{E.I.R.P.}{4 \pi R^2}$

Results: E.I.R.P. = 1.871mW

1.871mW at the 2402.2 MHz Low Channel,
which is the highest.

$$\frac{1.871\text{mW}}{4 \pi R^2} = \frac{1.871\text{mW}}{5026.55} = .000372\text{mW/cm}^2$$