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## **CERTIFICATION TEST REPORT**

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**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**



Order Number: F2LQ7692A

Client: Transducers Direct LLC  
FCC ID: 2ACGE-TDWPG

**Evaluation Conducted by:**

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Ken Littell, EMC Tech. Mgr.

**Report Reviewed by:**

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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



Order Number: F2LQ7692A

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## 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



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### 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.



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## 5. RF EXPOSURE FOR DEVICE >20cm FROM HUMAN

### 5.1 Requirements:

Limit: 1mW/cm<sup>2</sup>

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

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

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

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