







<b>ax (g)</b>	<b>ay (g)</b>	<b><u>az</u> (g)</b>	<b><u>gx</u> (°/s)</b>	<b><u>gy</u> (°/s)</b>	<b><u>gz</u> (°/s)</b>	<b>Label</b>
0.02	-0.01	0.00	0.5	-0.2	0.0	0
0.03	-0.02	0.01	0.6	-0.1	0.2	0
0.10	-0.05	0.20	1.2	0.5	0.8	1
0.01	0.00	-0.02	0.4	-0.3	-0.1	0
0.90	-0.60	0.70	25.0	-12.0	7.0	1

**Table no:7.2 Real time readings.**



Sample\_prog

```
WiFi.begin(ssid, pass);
Serial.print("Connecting to WiFi");

unsigned long startAttemptTime = millis();
while (WiFi.status() != WL_CONNECTED && millis() - startAttemptTime < 10000) {
  Serial.print(".");
  delay(500);
}
```

```
if (WiFi.status() != WL_CONNECTED) {
  Serial.println("\nWiFi Failed! Check");
} else {
  Serial.println("\nWiFi Connected!");
}
```

```
// --- Blynk connection ---
Blynk.config(auth);
Blynk.connect();
```

```
// --- DHT11 init ---
dht.begin();
```

```
// --- MPU6050 init ---
```

COM7

Failed to read from DHT sensor!  
Ax: 1.43 Ay: -3.92 Az: 8.41 | Vibration: 9.39  
Failed to read from DHT sensor!  
Ax: -4.03 Ay: -5.81 Az: 6.14 | Vibration: 9.37  
Failed to read from DHT sensor!  
Ax: -3.75 Ay: -5.79 Az: 6.13 | Vibration: 9.23  
Failed to read from DHT sensor!  
Ax: -4.11 Ay: -6.01 Az: 5.84 | Vibration: 9.33  
Failed to read from DHT sensor!  
Ax: -4.01 Ay: -6.12 Az: 5.79 | Vibration: 9.33  
Failed to read from DHT sensor!  
Ax: -4.19 Ay: -6.00 Az: 5.44 | Vibration: 9.12  
Failed to read from DHT sensor!  
Ax: -4.16 Ay: -5.51 Az: 5.89 | Vibration: 9.08  
Failed to read from DHT sensor!

☒ Autoscroll ☐ Show timestamp

Newline 115200 baud Clear output

```
Writing at 0x000c73b4 [=====] | 60.8% 492800/607804 bytes...
Writing at 0x000cd97 [=====] | 83.6% 507904/607804 bytes...
Writing at 0x000d3150 [=====] | 86.3% 524288/607804 bytes...
Writing at 0x000db2be [=====] | 89.0% 540672/607804 bytes...
Writing at 0x000e05a3 [=====] | 91.7% 557056/607804 bytes...
Writing at 0x000e5c4a [=====] | 94.3% 573440/607804 bytes...
Writing at 0x000eb757 [=====] | 97.0% 589824/607804 bytes...
Writing at 0x000f050f [=====] | 99.7% 606208/607804 bytes...
Writing at 0x000f6e77 [=====] | 100.0% 607804/607804 bytes...
Writing at 0x000f78b0 [=====] |
Wrote 948400 bytes (607804 compressed) at 0x00010000 in 8.9 seconds (847.8 kbit/s).
Hash of data verified.
```

Hard resetting via RTS pin...

ESP32 Dev Module, Disabled, Disabled, Default 4MB with spiffs (1.2MB APP+1.5MB SPIFFS), 240MHz (WiFi/BT), QIO, 80MHz, 4MB (37MB), 921600, Core 1, Core 1, Name, Display

Acceleration Readings from MPU6050

