

## 2.12 Channel Data Modelling

Channel Data Modelling is a unique feature to the *Ultima ID Pro*<sup>™</sup>. It allows the user to test refrigerants that the analyzer may not already identify and “fingerprint” the data using the available channels. The channel data is available for *Identified* and “Unknown Refrigerants.”

Once you complete a test on an *Identified* Refrigerant (see list in section 2.8 **Pure Refrigerants**) or “Unknown Refrigerants”, the test results will display similar to **(Figure 25)** for *Identified* Refrigerants or **(Figure 25a)** for “Unknown Refrigerants.” Once displayed, the analyzer will allow the user to print. Press the ‘PRINT’ button and the data will appear on the printout like **(Figure 26)**.

This new feature allows the user to develop a “fingerprint” model for different refrigerants the *Ultima ID Pro*<sup>™</sup> may not already analyze. If the user tests a virgin tank of refrigerant at least 3 times and receives Channel Data that is consistent or within a close range to one another, this data can be used as a “fingerprint” model of that particular refrigerant. This feature will allow the user to have a guide to identify refrigerants not already established by the analyzer and increases the capabilities of the *Ultima ID Pro*<sup>™</sup>.

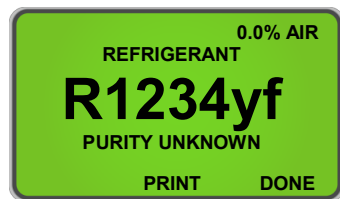


Figure 25

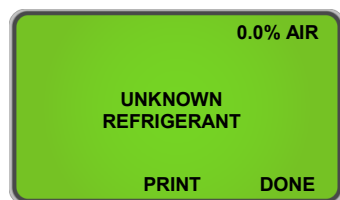


Figure 25a

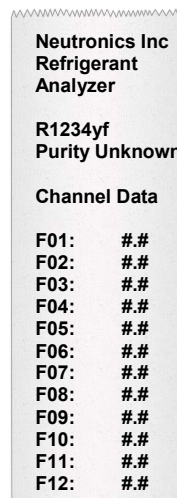


Figure 26

**NOTE:** This is not a guaranteed method for identifying refrigerants. Results will vary and some refrigerants may create inconsistent data.