

# Xerographic Components - IOT Module

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## ESV Sensors

The ESV Sensors (4) measure the electrostatic voltage on the photoreceptor surface after it is charged. Information from the ESV sensor is used to regulate the output of the Charge Corotron. The ESV signal is sent to the ESV PWB which converts the data and sends it to the IOT PWB. The IOT PWB evaluates the data and decides if the Charge Corotron control voltage from the Charge Corotron HVPS is correct. The photo shows the location of the ESV Sensor (Drum Assembly has been removed).

**NOTE:** The location of the ESV Sensor is different for the Y, C unit and in the M, K unit.



**ESV Sensor**

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### ESV Sensors (continued)

Each ESV Sensor has a corresponding ESV Sensor PWB which reads the output of the ESV and sends the readings to the IOT PWB. The ESV Sensor and PWB are matched and must be replaced as a unit.

**ESV Sensor PWB**

