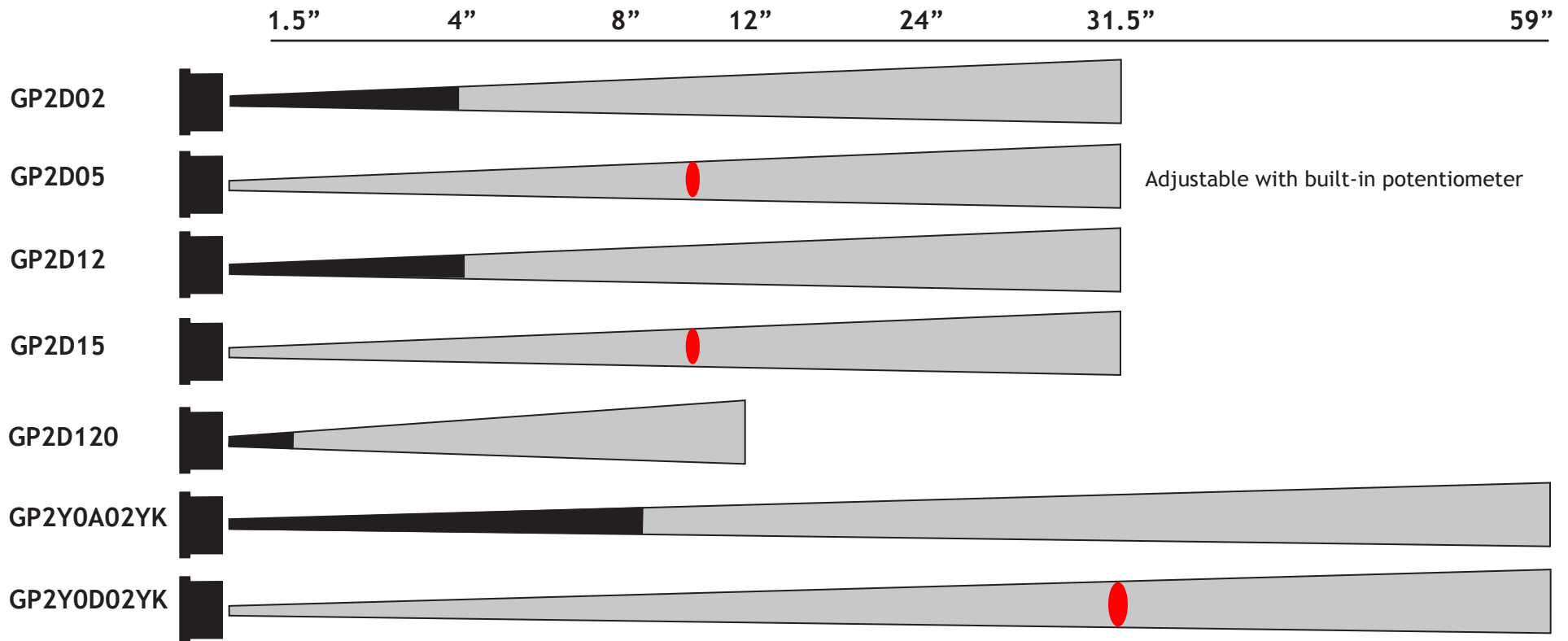


## Acroname Quick Comparison Chart for Sharp IR Rangers

| Ranger     | Output  | Minimum Distance | Maximum Distance  | On Current | Off Current |
|------------|---------|------------------|-------------------|------------|-------------|
| GP2D02     | Serial  | 10cm             | 80cm              | ~22mA      | ~3mA        |
| GP2D05     | Digital | -                | fixed at 24cm     | ~10mA      | ~3mA        |
| GP2D12     | Analog  | 10cm             | 80cm              | ~33mA      | always on   |
| GP2D15     | Digital | -                | fixed at 24cm±3cm | ~33mA      | always on   |
| GP2D120    | Analog  | 4cm              | 30cm              | ~33mA      | always on   |
| GP2Y0A02YK | Analog  | 20cm             | 150cm             | ~33mA      | always on   |
| GP2Y0D02YK | Digital | -                | fixed at 80cm     | ~33mA      | always on   |



The end of the black notes the minimum detectable range. The end of the grey notes the maximum range. The red oval notes a fixed range. Objects closer than the noted minimum range will give incorrect readings. For more information please see the product page for each sensor, and checkout *Demystifying the Sharp IR Detectors* in our articles section.

Minimum Range    Maximum Range    Fixed Range

