# Distance Sensor Selection

| Category | Part Number | Output Type | Package Type | Distance (cm) | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 0.5 | 1 | 1.5 | 2 | 4 | 5 | 10 | 13 | 15 | 20 | 24 | 30 | 40 | 50 | 70 | 80 | 100 | 120 | 150 | 200 | 300 | 450 |
| DMS | GP2Y0A02YK0F | Analog | Standard | | | | | | | | | | 20 | | | | | | | | | 150 | | | |
| DMS | GP2Y0A21YK0F | Analog | Standard | | | | | | | 10 | | | | | | | | | 80 | | | | | | |
| DMS | GP2Y0A41SK0F | Analog | Standard | | | | | 4 | | | | | | | 30 | | | | | | | | | | |
| DMS | GP2Y0A51SK0F | Analog | Standard | | | | 2 | | | | | 15 | | | | | | | | | | | | | |
| DMS | GP2Y0AF15X | Analog | Compact, connector | | | 1.5 | | | | | | 15 | | | | | | | | | | | | | |
| DMS | GP2Y0D02YK0F | Digital 1-bit | Standard | | | | | | | | | | | | | | | | 80 | | | | | | |
| DMS | GP2Y0D21YK0F | Digital 1-bit | Standard | | | | | | | | | | | 24 | | | | | | | | | | | |
| DMS | GP2Y0E02A | Analog | Compact, CMOS | | | | | 4 | | | | | | | | | 50 | | | | | | | | |
| DMS | GP2Y0E02B | Digital I2C | Compact, CMOS | | | | | 4 | | | | | | | | | 50 | | | | | | | | |
| DMS | GP2Y0E03 | Analog, Digital I2C | Compact, CMOS | | | | | 4 | | | | | | | | | 50 | | | | | | | | |
| TOF | GP2AP02VT20F | I2C | Very Compact | | | | | 4 | Gray card - 17% reflectance | | | | | | | | | | | | 120 | | | | |
| TOF | GP2AP03VT00F | I2C | Very Compact | 0.5 | Gray card - 17% reflectance | | | | | 10 | | | | | | | | | | | | | | | |
| TOF | GP2AP04VT00F | I2C | Very Compact | 0.1 | Gray card - 17% reflectance | | | | | | | | | | | 42 | | | | | | | | | |
| TOF Module | FSSTOF1100D | I2C/ UART | Compact | | 1 | | | | | 10 | | | | | | | | | | | | | | | |
| TOF Module | FSSTOF52000D | I2C/ UART | Very Compact | | | | | | 5 | | | | | | | | | | | | | 200 | | | |
| TOF Module | FSSTOF54500D | I2C/ UART | Very Compact | | | | | | 5 | | | | | | | | | | | | | | | 450 | |

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