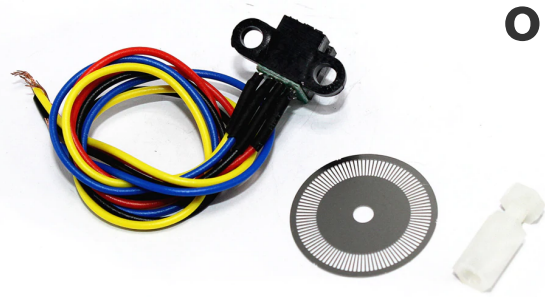


# optical encoder pulse module



## Features:

Wide variety of supply voltages and output forms

Easy-to-adjust zero index(phase Z)with origin indicating function High resolution models(2000 pulses per revolution)substantially improves measuring accuracy

Rugged construction:22mm diameter shaft with radial load ratings of 3 kgf(21.7 ft\*lbs)and axial load rating of 2 kgf(14.5 ft\*lbs)

Protected against short-circuit and reversed connections for highly reliable operation available with line driver output

|             |                  |
|-------------|------------------|
| Product     | HP               |
| Line number | 100              |
| Outer size  | 22mm             |
| shaft       | 3.5mm            |
| thickness   | 0.3mm            |
| material    | Alloy steel      |
| voltage     | 5v               |
| connection  | Red 5v black GND |

Two signal lines. A yellow one-blue one (from dry production batches, sometimes the signal line may be green, does not affect the use). Yellow and blue are two TTL levels (can be directly connected to single-chip microcomputer) signals (note: the positive and reverse signals are measured by these two flat lines) (let A B be the signal line) A has a pulse first. It is proved that the positive rotation B has a pulse first, and it is proved to be an inversion.

Important note: long time block or no output, as phase detection, only in the opposite edge and drop edge will have waveform output, so turn the code disk or with non-rust clear object switch back and forth when there will be square wave output, high remonstrance state, similar to sine wave or according to tooth wave, see the following video demonstration for details.

Multimeter test has been about 0.1 V, is invalid! Please use oscilloscope or single-chip microcomputer acquisition port for testing.

