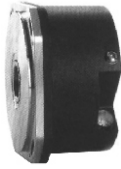


## A-PAL90H series



- Outer diameter  $\Phi 90$ , hollow shaft, Basic hollow shaft  $\Phi 25$ ,  $\Phi 30$ .
- Resolution from 12 to 19 bit.

### Explanation of model



### For example

A-PAL90H25-19-G05BS is shaft  $\Phi 25$ , 19 bit, side entry cable, supply voltage 5V pure binary.

### Technical data

Angle range	0~360°	Starting torque	$6 \times 10^{-2} \text{N} \cdot \text{m} (+25^\circ\text{C})$
Bit	12~19	Shaft loading	Radial20N Axial10N
Resolution	2.5 "	Rotating inertia	$2 \times 10^{-5} \text{Kg} \cdot \text{m}^2$
Accuracy	$\pm 20 "$	Max rotating speed	400r/min
Operating voltage	DC5V	Vibration resistance	$50 \text{m/s}^2 (10 \sim 200 \text{Hz})$
Output code	pure binary	Shock resistance	$980 \text{m/s}^2$
Refresh	200Hz	Protection	IP65
Wiring method	Rs485 Serial	Operating temperature	30 ~ 85%RH
Operating temperature	- 40°C ~ +70°C	Weight	about 0.9kg
Storage temperature	- 45°C ~ +80°C		—

### Connection table

Plug code	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19		
Form	Parallel	Vcc	0V	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>2</sup>	2 <sup>3</sup>	2 <sup>4</sup>	2 <sup>5</sup>	2 <sup>6</sup>	2 <sup>7</sup>	2 <sup>8</sup>	2 <sup>9</sup>	2 <sup>10</sup>	2 <sup>11</sup>	2 <sup>12</sup>	2 <sup>13</sup>	2 <sup>14</sup>	2 <sup>15</sup>	2 <sup>16</sup>	
		20	21	22	23	24	25														Shield
		2 <sup>17</sup>	2 <sup>18</sup>	—	—	—	—														
Form	Serial	1	2	3	4	5	6	7	8	9											Shield
		Vcc	0V	TXD+	TXD-																

### Dimension(mm)

