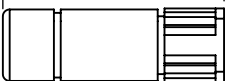


| ANALOG ENCODER<br>WIRING DIAGRAM<br>編碼器配線表 |                             |                 |
|--|-----------------------------|-----------------|
| Function<br>功能                             | Connector (male)<br>金屬接頭(公) | Signal<br>訊號    |
| Power<br>電源                                | 4                           | 5V              |
|  | 5                           | 5V              |
|  | 6                           | 0V              |
| Incremental signals<br>增量訊號                | 2                           | U <sub>2-</sub> |
|  | 3                           | U <sub>1-</sub> |
|  | 9                           | U <sub>2+</sub> |
|  | 10                          | U <sub>1+</sub> |
| Reference mark<br>參考點                      | 1                           | U <sub>0-</sub> |
|  | 8                           | U <sub>0+</sub> |
|  | Housing                     | shield          |
| Temperature switch<br>溫度感測訊號               | 11                          | T+              |
|  | 12                          | T-              |

| MOTOR CABLE<br>WIRING DIAGRAM<br>馬達電源線配線表 |              |
|---|--------------|
| Connector (male)<br>金屬接頭(公)               | Signal<br>訊號 |
| 1   | V            |
| 2   | U            |
| 3   | W            |
| ≡   | GND          |


(65)

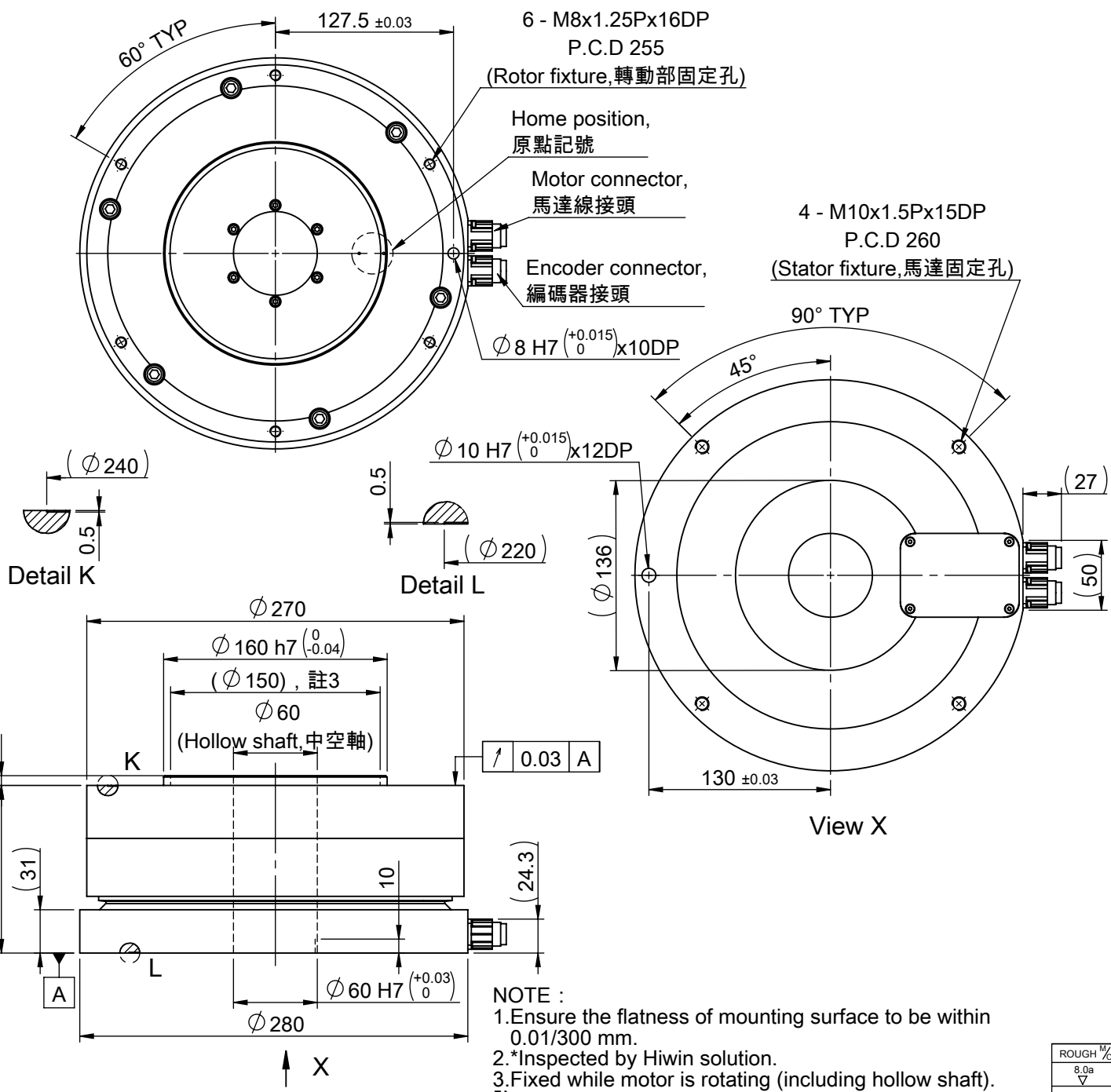


Length of connector  
接頭長度

|    |                                    |                  |                                 |
|----|------------------------------------|------------------|---------------------------------|
| 1  | Cont. torque<br>連續轉矩               | (Nm)             | 25                              |
| 2  | Peak torque<br>瞬間轉矩                | (Nm)             | 75                              |
| 3  | Cont. current<br>連續電流              | (Arms)           | 2.2                             |
| 4  | Peak current<br>瞬間電流               | (Arms)           | 6.6                             |
| 5  | Max. speed<br>最高轉速                 | (rpm)            | 200(Without payload, 空載)        |
| 6  | *Repeatability<br>重現性              | (arcsec)         | ±3                              |
| 7  | *Accuracy range<br>精度              | (arcsec)         | ±30(Without error mapping, 未補償) |
| 8  | Encoder type<br>編碼器式樣              |                  | Incremental type, 1Vpp(增量型)     |
| 9  | Line count<br>脈波數                  | (per revolution) | 3600                            |
| 10 | Inertia of rotating part<br>旋轉部慣性矩 | (kgm²)           | 0.254                           |
| 11 | Temperature sensor<br>溫度感測器        |                  | PTC SNM100                      |
| 12 | IP level<br>保護等級                   |                  | IP 40                           |
| 13 | Motor color<br>馬達顏色                |                  | Silver, 銀色                      |

All the specification in the table are in ±10% of tolerance.  
表內所有規格誤差範圍±10%。

|                                      |  |                                  |  |                    |  |   |  |              |  |                |  |                    |  |    |  |
|--------------------------------------|--|----------------------------------|--|--------------------|--|---|--|--------------|--|----------------|--|--------------------|--|----|--|
| ROUGH $\frac{M}{\%}$<br>8.0a<br>▽    |  | FIT $\frac{M}{\%}$<br>3.2a<br>▽▽ |  | GRD<br>0.8a<br>▽▽▽ |  |  |  | SCALE<br>1:X |  | TYPE<br>DMYA3G |  | DATE<br>Aug.08.19' |  |    |  |
| SHEET METAL TOLERANCE mm             |  |                                  |  |                    |  |   |  |              |  | CUSTOMER<br>/  |  | DRN<br>吳定韓         |  |    |  |
| UP TO 6                              |  | 6                                |  | 30                 |  | 120   |  | 300          |  | 600            |  | 1200               |  |    |  |
| ±0.1                                 |  | ±0.2                             |  | ±0.3               |  | ±0.4  |  | ±0.5         |  | ±0.8           |  | ±1.0               |  |    |  |
|                                      |  |                                  |  |                    |  |   |  |              |  |                |  | ±1.5               |  |    |  |
| HIWIN <sup>®</sup> MIKROSYSTEM CORP. |  |                                  |  |                    |  |   |  |              |  | NAME<br>直驅馬達   |  | DWG. NO<br>M19814  |  | A1 |  |
|                                      |  |                                  |  |                    |  |   |  |              |  |                |  | SHEET<br>1-1       |  |    |  |



NOTE :  
1.Ensure the flatness of mounting surface to be within 0.01/300 mm.  
2.\*Inspected by Hiwin solution.  
3.Fixed while motor is rotating (including hollow shaft).  
註：  
1.為確保精度，安裝HIWIN轉矩馬達的安裝面，平面度需在0.01/300 mm。  
2.\*以HIWIN檢測方是檢驗。  
3.此處含中空軸為固定部。

| ITEM | DATE | MODIFIED | DESCRIPTION | APPD |
|------|------|----------|-------------|------|
|      |      |          |             |      |
|      |      |          |             |      |
|      |      |          |             |      |