



Position Control Stand (PKS)

For Manual Work Areas

- **Exact control of working position**
- **Low cost complete system**
- **Suitable for all hand tools**
- **Controls and guides your work area**
- **No adjustment of tools is necessary**

The PKS serves as positioning control of tools on manual work areas.

If there are various screw assembly positions to work on, then the PKS and associated controller can set and monitor the order of the positions.

The controller checks and controls the complete operation of the manual assembly by controlling a multiple of inputs and outputs depending on the specification. This includes functions such as:

- Tightening and locking work pieces
- Supplying connecting parts
- Activating measuring functions.

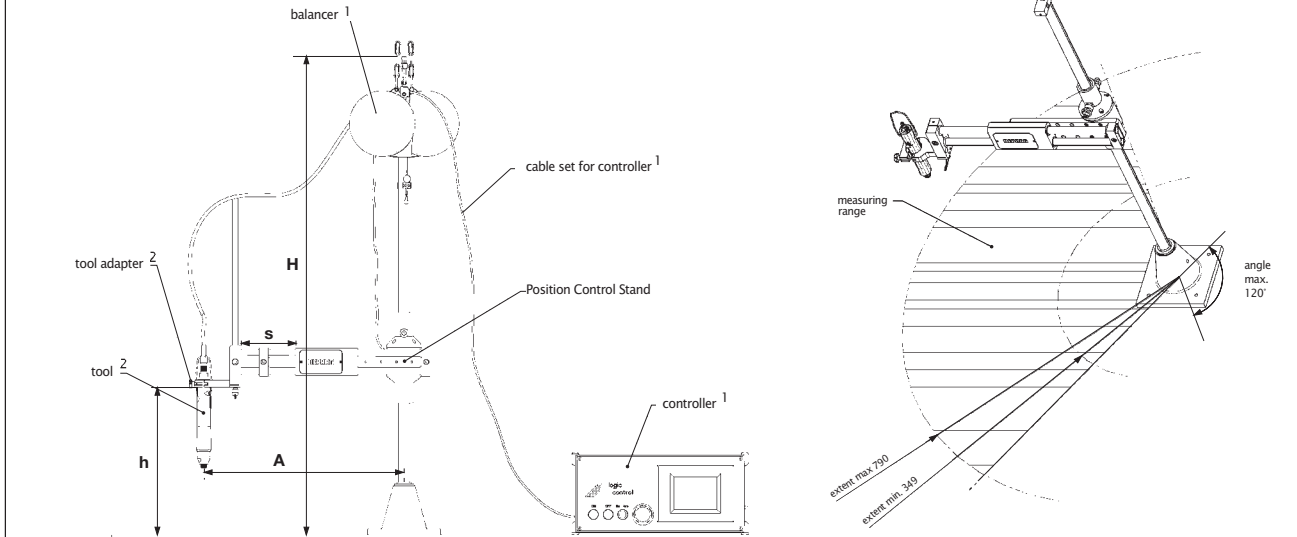
The whole procedure of manual assembly, including calculated measuring data can be stored or transmitted by a TCP-IP Module.

After switching on the system, the PKS can start from any position; it does not have to be moved over a reference point.

Individual working positions can be set or changed without correcting other further positions of this work sequence.



Complete layout of the system



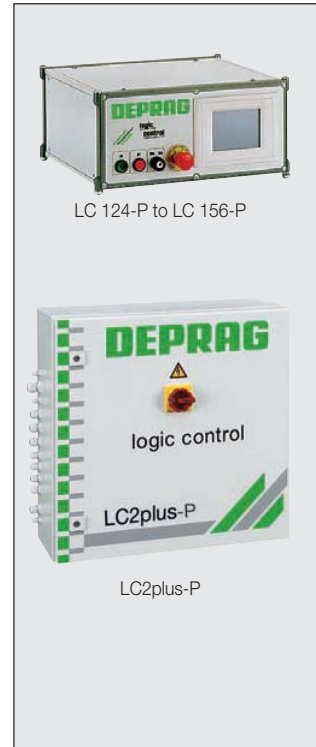
1 = required accessories 2 = optional equipment

Technical Data

| Position Control Stand, for Screwdrivers handheld with pneumatic or electric drive, straight 1) | | | | | | | |
|---|-----------|-----------------|---------------|----------------|---------------|---------------------|-----------------------------|
| Version | order no. | Measuring range | | | | total height H (mm) | for torque range up to (Nm) |
| | | working area A | extent s max. | angle max. (°) | height h (mm) | | |
| 1D linear | 408050 B | 349 - 790 | 359 | – | – | 1220 | 0 to 50 |
| 1D angle | 408051 B | – | – | 120 | – | | |
| 2D linear / angle | 408052 B | 349 - 790 | 359 | 120 | – | | |
| 3D linear / angle / height | 408053 B | 349 - 790 | 359 | 120 | 450 - 1010 | | |

Required Accessories

| Screwdriving Controller | type | LC124-P | LC156-P | LC172-P | LC2plus-P |
|--|-----------|---|----------|----------|--|
| standard | order no. | 349984 D | 349984 E | 349984 F | 830092 A |
| power source | V/Hz | 230/50 (115/60) 400/50 (220/60) | | | |
| power consumption max. | VA | 200 | 200 | 200 | 2000 |
| insulation | | IP54 | IP54 | IP54 | IP54 |
| display | | touch panel 5.7" 320 x 240 dots | | | |
| number of inputs | | 6 | 22 | 30 | 24 |
| number of outputs | | 5 | 21 | 29 | 27 |
| RS 232 interface | | – | – | 2 | on request |
| bus systems | | – | – | – | Profibus DP more on request |
| communication interface | | optional | optional | optional | optional |
| programming according to IEC 1131 | | yes | yes | yes | yes |
| type of display | | AWL / KOP / FUP | | | |
| storage | | 4 kB | 4 kB | 4 kB | 128 kB |
| data storage | | – | – | – | 2 MB |
| integrated NC control | | – | – | – | yes |
| dimension (W x H x D) | mm | 427 x 178 x 386 | | | 750 x 750 x 300 |
| | in. | 16 ¹³ / ₁₆ x 7 ¹ / ₆₄ x 15 ³ / ₁₆ | | | 29 ¹⁷ / ₃₂ x 29 ¹⁷ / ₃₂ x 11 ¹³ / ₁₆ |
| weight | kg / lbs | 10 / 22 | 10 / 22 | 10 / 22 | 32 / 70.4 |
| Cable set | | | | | |
| Length 2.5 m / 8.2 ft | order no. | 921216 A | | | |
| Length 5 m / 16.4 ft | order no. | 921217 A | | | |
| Length 8 m / 26.2 ft | order no. | 921218 A | | | |
| Balancer *) | | Please find in brochure D 3340 E | | | |
| Screwdriver adapter or V-mounting bracket | | Please find in brochure D 3340 E | | | |



*) When choosing a suitable balancer please take note of the weight of the horizontal arm (6.7 kg) and the weight of the screwdriver. We recommend distributing the weight on two balancers.

1) The accuracy of the position recognition is dependent on the choice of insertion tools.

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| Optional Equipment: | Horizontal drawback (please find in brochure D 3340 E) |
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