## Q-Drive-Alpha



A fully integrated drive device for evaluation, production, and laboratory use. Compatible with two Quantex pump families: Microdosing pump (QX2-SD) and Low Flow pumps (QX25-SD and QX25-HP). Features a stainless-steel body and a 7" colour touch screen for programming desired functions such as speed, flow, dose volume, self-priming, cycling, reverse.

## **Features and Benefits**

- Plug and play, easy-to-use
- Integrated driver and screen for direct control
- Able to run both Microdosing and Low Flow Pumps (SD and HP models)
- Select and change your flow rate as desired

## FEATURES

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| Functions           | Description   |
|---------------------|---|
| Speed / Flow rate   | Select flow rate either as motor rps/rpm or ml/min          |
| Dose Volume         | Select dose volume either in ml/L or pump revolutions       |
| Loops               | Program multiple loops for duty cycle running               |
| Loop Pause          | Select pause time for multiple cycle running                |
| Calibration         | Modify dispense volume calibration factor                   |
| Reverse motor drive | End of dose reversing, pressure venting                     |
| Pump selector       | Choose between two product families                         |
| Prime mode          | Direct control of motor for self priming at multiple speeds |
| Programmable memory | Save 8 programs per pump                                    |

## **TECHNICAL SUMMARY**

| Operating temperature | 5-40°C  |
|-----------------------|---|
| Storage temperature   | 5-40°C  |
| Drive Flow rate range | 4.3ml/min - 384ml/min   |
| Drive Control         | High performance stepper motor  |
| Program interface     | Full colour touch screen display  |
| Power Supply          | Input: 100-240v, 50-60Hz, Single phase, AC mains powered<br>Output: 24Vdc, 3.75A<br>Mains cable: Supplied with country specific plug type |
| Ingress Rating        | IP20  |
| Compliance            | CE, FCC   |
| Speed control         | 0.1-15rps<br>6-900rpm   |
| Drive Torque          | 400mNm  |
| Drive Dimensions      | Width 20cm x Depth 15cm x Height 9.5cm  |
| Drive Weight          | 1.92kg  |
| Drive Noise           | <70dB @ 1m  |
| Pump compatibility    | QX25-SD, QX25-HP. Includes an adaptor for QX2-SD  |
| QX2 Pump flow range   | 4.3ml/min - 43ml/min  |
| QX25 Pump flow range  | 38.4ml/min - 384ml/min  |





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