LEAFLET for Adikia

Dual channel Motor-Drive-System´s (MDS) for agitation of any STR (Stirred-Tank-Reactor), SUB (Single-Use-Bioreactor), SUF (Single-Use-Fermenter).

Adikia product:
- MDS (Motor-Drive-System) able to drive 2 servo motors for all SUB sizes and up to 50 litre and max 500 RPM
- MDS is further designed with TFT display for local operation and external operation via Modbus/TCP or Wi-Fi. Hereby RPM, delivered power is available for on-line display and for data logging
- Drive of SUF, SUB equipped with HPD (Head-Plate-Drive) via ID39-B or ID25-A adapter
- Drive of MST, Magnetic-Stirrer-Table from www.CerCell.com via ID39-B adapter

Specification
- 2 and in parallel operating brushless EC 3 phase motors with encoder
- Build-in noise damping, RPM controlled fan
- Operates on external power supply: 230 VAC 50-60 Hz
- Output: 0-48 VDC, 3 phase, 3 amp
- Communication external: TCP/IP ModBus via LAN cabling, Wi-Fi
- CE marked and IP 31 rated

Illustration show the stand-alone and compact Adikia dual servo motor drive unit in prototype setup.

Front panel - manual control
- Cronus-PCS 5" touch sensitive display

Cronus automated control
- Adikia may be connected to Cronus-PCS open platform and controlled by various software packages.

Communication
- USB port for USB adapter/Wi-Fi connection and 5 VDC / 1 amp charging
- RJ45 for LAN, ModBus via IP/TCP

When connected to Cronus
- Language: UK English
- Units shown: ISO

www.cronus-pcs.com

Programming options:
- RPM, from 1-500
- acceleration ramp, rpm per second
- deceleration ramp, rpm per second
- rotation direction, CW or CCW
- start and stop
- ampere usage, 0.1 step accuracy
- torque delivered, Nm in 0.1 step accuracy
- time of operation since power up

Connections:
- Dual Buccaneer for each DC motor
- Buccaneer for power input
- RJ45/patch cable socket
- USB for Wi-Fi and able to supply 5 VDC and 1 amp

Standard setup:
- One Adikia in Hephaestus U2 cabinet
- Two geared DC servo motor with ID39-B adapter
- Two set of cables each length 1.5 meter
- One 24 VDC supply power cable length 1.5 meter

Check availability on http://cronus-pcs.com/commerce