

Smart Motor Controller

SMC-FLEX/SMC-3 and SMC-Flex Intelligent Motor Control

SMART MOTOR CONTROLLER SMC-FLEX

1: BASIC START-UP & CONFIGURATION USING THE CONNECTED COMPONENTS

- a) CCW SOFTWARE
- b) RUN THE SMC-FLEX AND OBSERVE "SELF TUNING CYCLE" AT FIRST START

2: CONFIGURE THE SMC-FLEX FOR A CONVEYOR APPLICATION

CONFIGURE A SOFTSTART AND OBSERVE THE MOTOR RAMP.

- c) LINEAR ACCELERATION
- d) LINEAR DECELERATION VS. SOFTSTOP MODE
- e) SET UP AND TEST THE SLOW SPEED OPERATION (FORWARD & REVERSE).

3: CONFIGURE THE SMC-FLEX FOR A FLYWHEEL APPLICATION

- a) CONFIGURE A SOFTSTART AND OBSERVE THE MOTOR RAMP.
- b) SMART MOTOR BRAKING
- c) SET UP AND TEST THE SLOW SPEED OPERATION FOR ACCU-STOP.

4: CONFIGURE THE SMC-FLEX FOR A PUMP APPLICATION

- a) CONFIGURE A SOFTSTART AND OBSERVE THE MOTOR RAMP AND THE 150-SM3 ANALOG CARD FEEDBACK.
- b) PUMP START
- c) LINEAR ACCELERATION
- d) LINEAR DECELERATION VS. SOFT STOP MODE

5: EXPLORE THE BASIC NAVIGATION USING HIM

- a) HARDWARE AND OPTIONS OF THE SMC-FLEX
- b) SMC-FLEX USER MANUAL AND PARAMETER STRUCTURE
- c) EXPLORE THE HUMAN INTERFACE MODULE

6: BASIC START-UP & CONFIGURATION USING THE HIM MODULE

- a) USING THE START UP CONFIGURATION TOOL (20-HIM-A6)

7: Configuring and Exploring the SMC Flex via the optional Ethernet/IP communication card