

# ANSELL *Electronics Ltd*

## MDC42/MDC42H



- PASSCODE PROTECTED DATA
- IP65 FRONT PROTECTED
- TWO INDEPENDENT SET POINTS
- ANALOGUE OUTPUT 0-20mA OR 0-10V
- ON/OFF OR PROPORTIONAL PULSE DOSING
- MANUAL OR AUTOMATIC TEMPERATURE COMPENSATION

# MDC42 Controller Specification

DESCRIPTION	µP-based controller. 3.5 digit for pH/redox measurements
ACCURACY	± 0.5% f.s. ± 1 digit (@25°C)
DISPLAY	14mm 7 segment LED
RANGES	0 to 14 pH or 0 to + 1000mV or 0 to - 1000mV
TEMPERATURE COMPENSATION	manual or automatic
PROGRAMMING	keypad operated by 4 keys
PASSCODE	allowing three protection levels of programming data
SET POINTS	two independent, over full range (reversible switching mode)
CONTROL ACTION 1	on/off with variable hysteresis 0 to 100% of displayed range
CONTROL ACTION 2	proportional pulse with variable band and cycle time
CONTROL RELAYS	two SPDT 5A non-inductive (energised or de-energised)
ANALOGUE OUTPUT	programmable all values, between 0 - 20mA and 0 - 10V
POWER SUPPLY	115 or 240v 50/60Hz
POWER CONSUMPTION	7VA
OPERATING TEMPERATURE	0 to 50°C (R.H. <90% non-condensing)
STORAGE TEMPERATURE	-10 to 60°C (R.H. <90% non-condensing)
EMC	IE801-2, IEC801-3, IEC801-4 (level 3)
STANDARDS	EN61010-1, CEI 66-5, IEC 1010-1, VDE 0411
CASE	panel mounting, 48 x 96 x 119mm ABS. Self-extinguishing:UL 94 V-0
WEIGHT	470gms (including packing)
DEGREE OF PROTECTION	front IP65 (standard)

# MDC42H Additional Specification

ENCLOSURE	light grey polystyrene with crystal clear polycarbonate door, rated IP65
SIZE	198mm wide x 210mm high x 167mm deep
FRONT PANEL	high and low alarm LEDs <b>or</b> hand/off/auto dosing control, dosing indicator light and alarm light
ELECTRODE CONNECTOR	BNC socket on coaxial cable
ELECTRICAL CONNECTIONS	screw type connectors inside terminal box
FUSE	2 amp glass cartridge inside terminal box