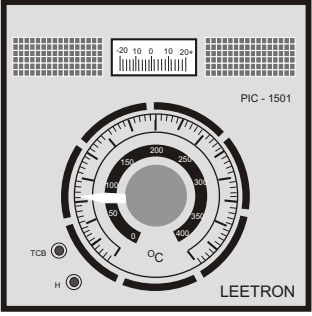
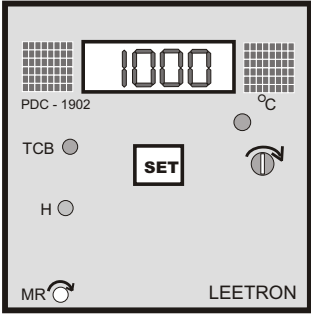
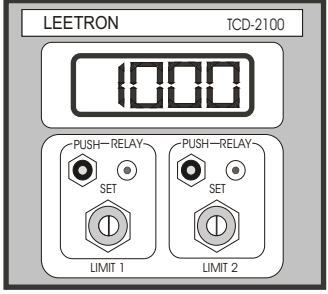
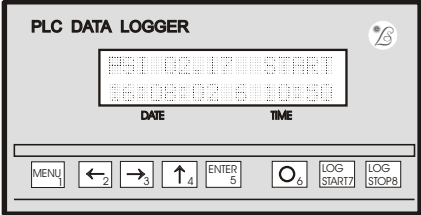
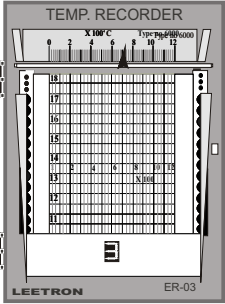
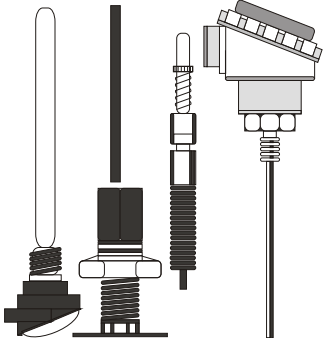




TEMPERATURE INSTRUMENTS & SENSORS

TEMP
PROCESS

INTRODUCTION	APPLICATIONS	SPECIAL FEATURES
<p>SYSTEMS & PROJECT ENGG. ERECTION & COMMISSIONING SERVICE - MAINTENANCE CALIBRATION - TESTING MANUFACTURING - TRADING CUSTOM MADE DESIGNING INSTRUMENT CONTROL PANELS.</p>	<p>PROCESS PLANTS / INDUSTRIES SCIENTIFIC RESEARCH & DEVP. LAB INDUSTRIAL AUTOMATION CHEMICAL, FERTILIZES, PHARMACEUTICALS PLASTIC, RUBBER, TEXTILE, HEAT TREATMENT, FOUNDRY, STEEL, METALLURGICAL, CEMENT, PAPER, AUTOMOBILE, ELECTRICAL INDUSTRIES.</p>	<p>STATE OF ART CMOS IC TECHNOLOGY AUTOMATIC COLD JN COMPENSATION BUILT IN HYSTERESIS (1 TO 5Deg C) INPUT FAIL SAFE DESIGN OPEN SENSOR INDICATION HIGH ACCURACY & LONG TERM STABILITY.</p>
<p>BLIND TEMP. CONTROLLER</p>	<p>DIGITAL TEMP.CONTROLLER</p>	<p>DIGITAL TEMP. CONTROLLER</p>
		
<p>DEVIATION : $\pm 5\%$ FSD RANGE : 400, 1200Deg. C CONTROL : ON / OFF WITHOUT DEVIATION METER LED BAR GRAPH INDICATION OUTPUT : DIRECT, $\frac{1}{2}$ C/O RELAY</p>	<p>NO OF SET PT : ONE SETTING : BY COARSE & FINE POT CONTROL ACTION : ON / OFF SET PT ACCURACY : 1 Deg. C CONTROL ACCURACY : ± 1 Deg. C OUTPUT : DIRECT, $\frac{1}{2}$ C/O RELAY</p>	<p>NO OF SET PT : TWO SETTING : BY MULTITURN POT CONTROL : INDEPENDENT LO / HI HYSTERESIS : 2 Deg. C (ON / OFF) PROPORTIONAL : ± 3 Deg. C AT SET POINT OPTION : HEATING - COOLING</p>
<p>DATA LOGGER</p>	<p>TEMPERATURE RECORDER</p>	<p>THERMOCOUPLE, RTD</p>
		
<p>NUMBER OF CH. : 1, 2, 4, 8, 16 INPUT : T/C, RTD, MV, MA, PULSE SCAN TIME : 01 - 60 MIN. MEMORY : 1000/2000 RECORDS PROCESS : MICRO - CONTROLLER TIME BASE : REAL TIME CLOCK PC INTERFACE : RS 232/ RS 485 SOFTWARE : WS 95 COMPATIBLE</p>	<p>TYPE : STRIP, CIRCULAR NO OF CHANNEL : 1, 2, 3, 6 PRINCIPLE : POTENTIOMETRIC CHART WIDTH : 120 MM ACCURACY : $\pm 1\%$ F. S. D. CHART SPEED : 20 MM/ HR PRINTING : INK / RIBBONS CHART : STRIP ROLL 20 M</p>	<p>SIMPLEX, DUPLEX MINERAL INSULATED SS, INCONEL, CERAMIC SPRING LOADED LEAF, IMMERSION ETC. COMP. CABLE SIGNAL CABLES : PVC/ PVC, FB / ASB, FB / SS/ TEFLON / TEFLON ETC.</p>

THE INSTRUMENTATION POINT FOR EVERY APPLICATION
MICRO PROCESSOR-CONTROLLER TECHNOLOGY, COMPUTERISED INSTRUMENTATION

TEMPERATURE

SERIES : 2000

STANDARD INPUT RANGE

T/C - J - Fe/K : 0-600Deg C Deg. C
 T/C - K - Cr/Al : 1-1200 Deg. C
 T/C - R - Pt -RH 13% : 0-1700Deg. C
 T/C - S - Pt/Pt-RH 10% : 0-1700Deg C
 RTD - Pt - 100 : -200 TO 800 Deg C
 DC CURRENT : 0/4 -20mA
 DC VOLTAGE : 0-1/5 10 V

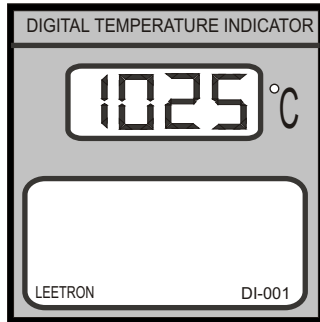
GENERAL SPECIFICATION

DISPLAY : 3 1/2 DIGIT 1/2 " RED LED
 RESOLUTION : 1 Deg C (1700Deg C)
 0.1 Deg C (1200 Deg C)
 ACCURACY : ± 0.5 % FSD ± 1 DIGIT
 RELAY : 1C/O, 230 VAC, 5 AMP
 SUPPLY : 230 VAC + 10% 50 Hz
 SIZE : 96 X 96, 96 X 48, 96 X 192, 72X 72

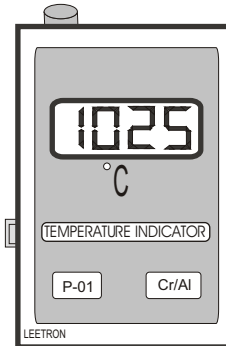
OPTIONAL

CONTROL : PROPORTIONAL
 SUPPLY : 110 VAC, 12/24 VDC
 DISPLAY : 1/2 " LCD, 0.3/1" LED
 SETTING : BY TWS
 OUTPUT : SOLID STATE RELAY
 TRANSMITTER : 4-20 mA

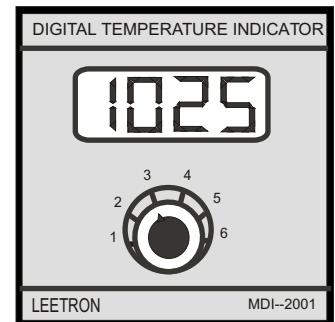
DIGITAL TEMP. INDICATOR



DIGITAL TEMP. INDICATOR



DIGITAL TEMP. INDICATOR

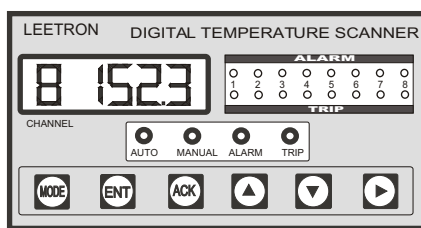


INPUT : J, K, R, S, RTD
 DISPLAY : 3 1/2 DIGIT 1/2 " RED LED
 DISPLAY : 3 READING / SECONDS
 RESOLUTION : 1Deg C OR 0.1 Deg. C
 AUTO COLD JUNCTION COMPENSATION
 SENSOR OPEN INDICATION

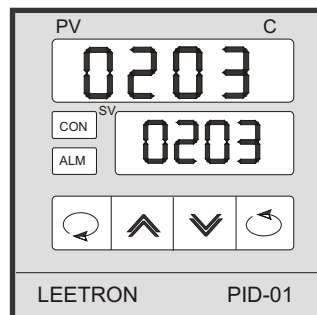
HAND HELD / PORTABLE
 DISPLAY : 3 1/2 " DIGIT 1/2 " LCD
 SUPPLY : + 9 VDC BATTERY
 LOW BATTERY INDICATION
 VERY LOW POWER CONSUMPTION
 AMBIENT TEMP. COMPENSATION

MULTI POINT : MANUAL
 NO OF POINT : 4,6,12
 HIGH RELIABILITY
 PRECIOUS METAL CONTACT
 EXTREME LOW CONTACT RESISTANCE
 ABSOLUTE OFF MODE ISOLATION

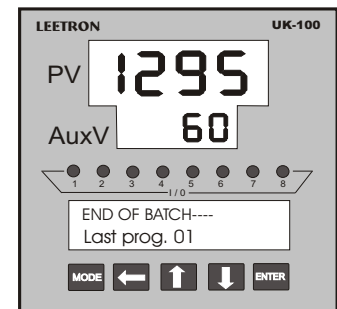
DIGITAL TEMP. SCANNER (Microprocessor Based)



DIGITAL TEMP PID CONTROLLER (Microprocessor Based)



DIGITAL TEMP. PROGRAMMER (Microprocessor Based)



NO OF INPUT : 8 CHANNEL
 FUNCTION : SCAN / HOLD / SKIP
 MEMORY : BATTERY BACKUP E E RAM
 SET POINT : ALARM & TRIP
 LED INDICATOR : EACH CHANNEL
 RELAY OUTPUT : COMM FOR EACH SET POINT
 OPTIONAL : NUMERIC PRINTER

FIRST SET PT : PID (PULSE)
 SECS. SET PT : ON / OFF (RELAY)
 PROP BAND : 00-99
 INTEGRAL TIME : 00-99
 DERIVATIVE TIME : 0.0 - 9.9
 PULSE WIDTH : 1 SECS, 12 VDC
 SOFTWARE LOCK FACILITY

PROGRAMS : 20 OF 20 STEPS EACH
 RAMP RATE : 0.1 TO 999.9Deg C / HR
 SOAK PERIOD : 1 MIN TO 99 HR 59 MIN
 CONTROL : PID TIME BASE
 AUTO / MANUAL HOLD, OPERATOR CELL,
 SKIP, OLA, RTC START, ABORT, ACK,
 POWER FAIL AUTO START,
 7 DAY TIMER, OUTPUT - PULSE (SSR),
 ON - OFF (RELAY),
 PULSE (THYRISTER), RS - 232

CONTINUOUS DEVELOPMENT OF OUR PRODUCTS MAY NECESSITATE CHANGES IN THESE DETAILS WITHOUT NOTICE.



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