

Sharing and
interconnecting,
just a few
clicks away



DOWNLOAD

Manuals, Software tools and Application Notes available for download within each product page or Reserved Area.

VIDEO-MANUALS

Short video-manuals provide descriptions and examples about programming options by keyboard or by Memory Cards, as well as demos of software tools.

FORUM & FAQ

A dedicated area for all your questions related to set-up, configuration and operating modes for Pixsys devices, including FAQ area for round-the-clock answers to the most frequent questions.

TRAINING SESSIONS

Special attention is reserved to technical training about the programmable systems (PLCs, HMIs) and also parametric devices if required. Arranged upon request, they can be focused on a specific project, as an opportunity to combine theory and practice. Contact our Sales dept for details.



EXTENSIVE SALES NETWORK

Become a PIXSYS partner!
Are you a Systems Integrator with a background in PLCs and HMIs programming?
Or a distributor/reseller of industrial electronic devices with a focus on solutions rather than on single components? Contact our Export dept to discuss cooperation and become a partner of our expanding sales network.

NEWSLETTER

Sign-up on our website to receive regular updates about products, special promotions, events and tradeshow.

BLOG

An interactive space to communicate and to share case-histories, ideas, hints and suggestions about Pixsys devices and upcoming projects. Open to your contribution.

Explore also the other Pixsys products lines!

Browse the website for details and/or request the brochure about Pixsys programmable systems.



• PLCs – I/O modules – Serial converters



• HMIs - Panel-PCs



• Wide selection of sensors, SSRs, power supplies in cooperation with primary brands

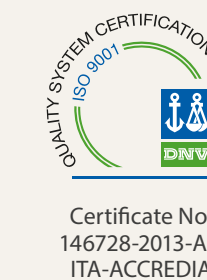


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Pixsys stands for over twenty years of experience in designing and manufacturing of instrumentation for process control and industrial automation.
Starting with hardware and software design, up to product assembly, the entire manufacturing cycle is completed at Pixsys's factory in Italy.

Product concept relies on extremely flexible hardware and software structures allowing reduced order codes and placing Pixsys controllers among the most versatile units in their market segment.

Product range includes parametric devices (indicators, controllers, cycle programmers, timers, counters, signal conditioners) and programmable systems (PLC, HMI, Panel PC).
Browse the web site www.pixsys.net for detailed information.

Controllers / Indicators





													
MAIN FEATURES	ATR121 / ATR141	ATR142	ATR236	ATR227 / DRR227	ATR243	ATR171	ATR401	DRR245	DRR450	STR550	STR560	ATR131	DDR132
DIMENSIONS (mm)	32 x 74 x 53	32 x 74 x 53	48 x 48 x 107	48 x 48 x 90 / DIN 43880	48 x 48 x 125	72 x 72 x 99	48 x 96 x 123	DIN 43880 (EN50022)	(EN50022)	96 x 48 x 48	96 x 48 x 48	32 x 74 x 53	DIN 43880 (EN50022)
POWER SUPPLY	24 - 230 - 115 V AC 12..24 V AC / DC 2 W - Isol. 3750 V	24..230 V AC / DC 2 W - Isol. 2500 V	24..230 V AC / DC 4 W - Isol. 2500 V	24..230 V AC / DC 5,5 W - Isol. 2500 V	24..230 V AC / DC 4 W - Isol. 4000 V	24..230 V AC / DC 5,5 W - Isol. 2500 V	24..230 V AC / DC 4 W - Isol. 2500 V	24..230 V AC / DC 3 W - Isol. 2500 V	24 V DC 1 W	24..230 V AC / DC 6 W - Isol. 2500 V	24..230 V AC / DC 6 W - Isol. 2500 V	24 - 230 - 115 V AC 3 W - Isol. 3750 V	230 V AC 3 W - Isol. 2500 V
PROGRAMMABLE ANALOGUE INPUTS	1	1	1 (Only temperature)	1	1	1 / 2 (23 ABC-T)	2	1	1 (TC K, J, T, E)	1	1	1 / 2 (NTC only)	3 (NTC / PTC)
DIGITAL INPUT	○	●	○	1	●	●	●	●	○	2	2	●	2
CURRENT TRANSFORMER INPUT	○	○	○	○	● (Optional)	○	●	●	●	○	0	○	○
RELAY OUTPUTS	2	2	1	2	2 / 3	1..4	2..4	2	○	2	2	1 / 3	4 (1 x 30A)
SSR CONTROL OUTPUT	●	●	●	1..3	●	●	●	●	●	2	0	○	●
ANALOGUE OUTPUTS (mA/Volt)	○	○	○	○	●	● (Optional)	● (Optional)	●	○	2	1	○	○
RS 485 / MODBUS	● (Optional)	● (Optional)	○	○	● (Optional)	● (Optional)	● (Optional)	●	●	●	●	○	●

SOFTWARE FEATURES													
PID / AUTOTUNING	●	●	●	●	●	●	●	●	●	○	○	○	○
PROG. HEATING / COOLING ACTION	●	●	●	●	●	●	●	●	●	○	○	●	○
OPEN / CLOSE LOGIC (valves)	●	●	○	○	●	●	●	●	○	○	○	○	○
PHASE ANGLE / BUST FIRING CONTROL	○	○	○	●	○	○	○	○	○	○	○	○	○
RETRANSMISSION PV/SPV	○	○	○	○	●	●	●	●	○	●	●	○	○
REMOTE SETPOINT	○	○	○	○	○	○	○	○	○	○	○	○	○
RAMP / SOFT START	○	●	●	●	●	●	●	●	●	○	○	○	○
PRE-PROGRAMMED CYCLE (3 steps)	○	●	○	○	●	●	○	●	○	○	○	○	○
DUAL PID HEATING / COOLING	●	●	○	○	●	●	●	●	●	○	○	○	○
LIMIT CONTROLLER (manual reset)	○	●	○	○	●	●	●	●	○	●	●	○	○
DEFROST FUNCTION	○	○	○	○	○	○	○	○	○	○	○	●	●
EASY-UP CODES	○	●	○	●	●	●	●	●	○	○	●	○	○
MEMORY CARD	●	●	●	●	●	●	●	●	○	●	●	●	●
LABSOFTVIEW (programming software)	●	●	●	●	●	●	●	●	●	●	○	●	○
STRAIN GAUGE INPUT (load cells)	○	○	○	○	○	○	○	○	○	○	●	○	○
SUM / TOTALIZER	○	○	○	○	○	○	○	○	○	●	●	○	○

PRODUCTS COMPARISON													
RATIO PRICE / PERFORMANCE	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★
STOCK TURNOVER	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★	★★★★★

APPLICATIONS													
FOOD INDUSTRY	●	●	●	●	●	●	○	○	○	●	●	●	○
COLD CHAIN EQUIPMENTS / HVAC	●	○	○	○	○	●	○	●	○	●	○	●	●
PACKAGING	○	●	●	●	●	○	●	●	●	●	●	○	○
PLASTICS / RUBBER INDUSTRY	○	○	○	●	●	●	○	●	●	○	○	○	○
FOOTWEAR / LEATHER MACHINERY	●	●	●	●	●	○	○	○	○	○	○	○	○
TEXTILE INDUSTRY	○	●	●	●	●	○	○	●	●	●	●	○	○
LABORATORY EQUIPMENTS	○	●	○	●	●	○	●	○	○	●	●	○	○
OVENS / FURNACES	●	●	○	●	●	●	○	○	●	○	○	○	○
BURNERS / BOILERS	●	●	○	○	○	○	●	●	○	○	○	○	○

Process Controllers / Programmers






				
MAIN FEATURES	ATR 421	ATR 621	ATR 902	ATR 313
DIMENSIONS (mm)	48 x 96 x 123	72 x 72 x 99	120 x 65 x 65	251 x 146 x 66
POWER SUPPLY	24..230 V AC / DC 4 W - Isol. 2500 V	24..230 V AC / DC 5,5 W - Isol. 2500 V	230 V AC 4 W - Isol. 2500 V	12..24 V AC / DC - 10 W
PROGRAMMABLE ANALOGUE INPUTS	1	1	1	See PL300
DIGITAL INPUT	1	1	○	See PL300
RELAY OUTPUTS	2..4	2..4	2	See PL300
SSR CONTROL OUTPUT	●	●	○	See PL300
ANALOGUE OUTPUTS (mA/Volt)	●	●	○	●
RS 485 / MODBUS	● (Optional)	● (Optional)	○	●
POTENTIOMETER INPUT / FEEDBACK SIGNAL	●	●	○	● (module PL250)

SOFTWARE FEATURES				
PID / AUTOTUNING	●	●	●	●
OPEN / CLOSE LOGIC (valves)	●	●	○	●
RETRANSMISSION PV/SPV	●	●	○	●
REMOTE SETPOINT	○	○	○	○
CYCLE RECOVERY	●	●	●	●
WAITING FUNCTION	●	●	●	●
DELAYED START	●	●	●	○
GAS KILN OPTIONS	●	○	○	●
MULTILOOP APPLICATIONS	○	○	○	○
CYCLES / PROGRAMS	15	15	15	20
STEPS / SEGMENTS	45	45	18	30
MEMORY CARD	●	●	○	●
LABSOFTVIEW (programming software)	●	●	○	○



PRODUCTS COMPARISON				
RATIO PRICE / PERFORMANCE	★★★★★	★★★★★	★★★★★	★★★★★
STOCK TURNOVER	★★★★★	★★★★★	★★★★★	★★★★★

APPLICATIONS				
GLASS / CERAMICS KILNS	●	●	●	●
ENVIRONMENTAL CHAMBERS	●	●	○	●
DRYERS	●	●	○	○
HEAT TREATMENT PLANTS	●	●	○	○
LABORATORY EQUIPMENT	●	○	○	●
INDUSTRIAL FURNACES	●	●	●	●
HOBBY KILNS (POTTERY, METAL CLAY, GLASSWARE)	○	●	●	○
METAL WORKING	●	●	○	●
FOOD INDUSTRY	●	●	○	○

Signal converter

					
MAIN FEATURES	2000.35.010	2000.35.015	2000.35.013	2000.35.014	2000.35.021
DIMENSIONS (mm)	45 x 23	45 x 23	46,1 x 63 x 26,4	46,1 x 63 x 26,4	46,1 x 63 x 26,4
POWER SUPPLY	6..32 V DC	6..32 V DC	11..30 V DC	12..35 V DC	9..30 V DC
MAX CURRENT READ	○	○	50 A (V AC) / 25A V DC	50 A (V AC) / 25A V DC	50 A
ANALOGUE INPUT	PT100 / Ni100 / PT1000	PT100 / Ni100 / TC	○	○	○
ANALOGUE OUTPUT	4..20 mA	4..20 mA - Isol. 800 V	4..20 mA	0..10 V	○
SERIAL PROTOCOL (RS485)	○	○	○	Modbus RTU	Modbus RTU
RFID (Nfc)	●	●	○	○	○

Timers / Counters

		
MAIN FEATURES	TCT101	TCT201
DIMENSIONS (mm)	32 x 74 (front) x 53	48 x 48 (front) x 107
POWER SUPPLY	24..230 V AC / DC 3 W - Isol. 2500 V	24..230 V AC / DC 3 W - Isol. 2500 V
DIGITAL INPUTS (NPN / PNP / TTL)	3	3
RELAY OUTPUTS	2 / 1 (4ABC-T)	2
ANALOGUE INPUT (potentiometer)	●	●
RS485 / MODBUS	● (4ABC-T)	○
SOFTWARE FEATURES		
TIMER (on-off / pause-work / oscillator / pwm)	● (1ABC)	● (1ABC)
PROGRAMMABLE TIME BASIS	● (1ABC)	● (1ABC)
COUNTER MODE (up / down / lock / hold)	● (2ABC)	● (2ABC)
COUNTING FREQUENCY (up to 100 khz)	● (2ABC)	● (2ABC)
TACHOMETER (up to 100 khz)	● (3ABC)	● (3ABC)
START / STOP / HOLD BY DIGITAL INPUT	●	●
BACK-UP BATTERY	●	●
MEMORY CARD	●	●
LABSOFTVIEW (programming software)	●	●
PRODUCTS COMPARISON		
RATIO PRICE / PERFORMANCE	★★★★★	★★★★★
STOCK TURNOVER	★★★★★	★★★★★
APPLICATIONS		
PRODUCTION QUANTITY MANAGEMENT	●	●
PRE-SET COUNTINGS	●	●
FOOD INDUSTRY	●	●
WATER TREATMENT	●	●
ENCODER READING	●	●
FLOWMETER OPTION	●	○