

PureOxyTEL

- Medical O₂ purity analysis in compliance with International Pharmacopoeia requirements suited for third party checking on PSA plants
- Paramagnetic analysis cell operating in constant temperature oven
- O₂ concentration measurement with barometric pressure compensation
- Flow rate automatic analysis control
- Automatic execution of zero and span calibrations with configurable program
- Safety control of inlet pressures for gas analysis and calibration
- Zero and span calibration gas cylinders pressure control (stock)
- 5" VGA touch screen
- Continuous display of analysis value (O₂ percentage) and calibration gases pressure
- Local optical (screen) and acoustic notification of purity defect, flow rate, oven cell temperature, minimum zero/span gas level alarms
- Clock and calendar function
- Data logger containing information about the last ten calibrations: date, time, measure read in the sample gas flow before calibration
- N° 2 RS485 ModBus RTU slave interfaces for remote transfer information
- N° 2 relay outputs for purity fault alarm repetition and general alarm
- Accessories available for the repetition in constantly manned rooms and remote transmission on GPRS network of alarms and measures through ModBus RTU interfaces: using PLANTEL, FLOGUARD MED, MODCOM devices
- Local and remote programmable parameters: pre-sampling duration, date and time, calibration frequency and time, controlled oven cell temperature value, zero and span cylinders exhaustion alarm, calibration command execution
- Manual mode Built In Test to verify functionalities of the device and circuits



GAS ANALYSIS

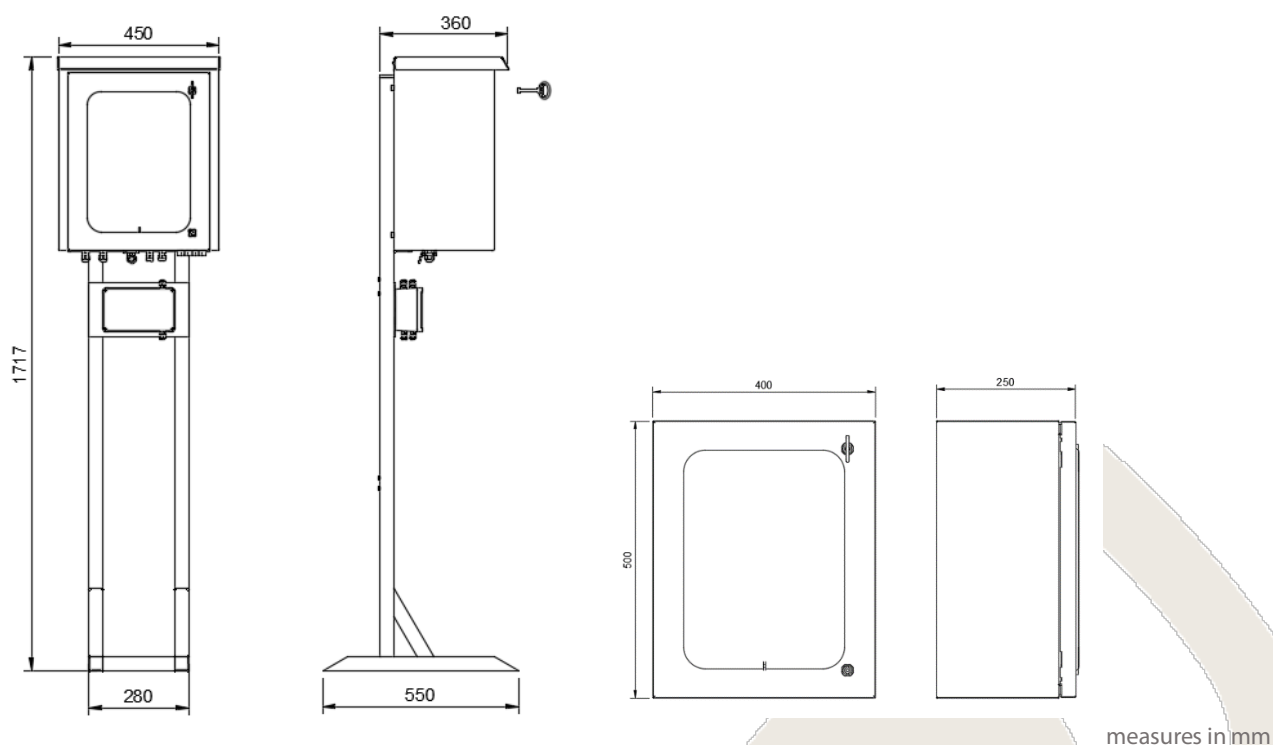
TECHNICAL SPECIFICATIONS

Power supply	100÷230 Vac / 30 VA	
Paramagnetic cell sensor	Measuring range: 0÷100 % O ₂ Linearity: 0,1 % Repeatability: 0,1 %	<i>Accuracy specifications referring to constant temperature, barometric pressure compensation and cell in calibration regime</i>
Analog inputs	N°2 two wires pressure transducers, measure range 0 ÷ 250 bar	
Digital outputs	N°2 relay contacts, configurable N.O. or N.C., Vmax. = 250 Vdc/Vac; I _{max} = 100 mA activated for O ₂ purity alarm and cumulative minor warnings	
Alerts	Operating alarm: yellow LED 20x10 mm – minor warnings and faults Emergency alarm: high efficiency red LED 20x10 mm – O ₂ purity alarm Acoustic signal with touch switch to for silencing	

Display	VGA 5" touch-screen Graphic Display, led backlighted
Local network I/F	N° 2 bidirectional insulated RS485, ModBus /RTU slave protocol
Temperature range	-20÷60 °C
Pneumatic connectors	1/4" G female (sample gas, zero gas, span gas, vent)
Housing	Cabinet: IP65 wall mount stainless steel (AISI304), dim. 400 x 500 x (D) 250 mm Canopy + pedestal: Stainless steel (AISI304) support, dim. 1717mm (H) x 450 (L max) x (D) 360 mm
Weight	Cabinet: 20 kg Cabinet + canopy + pedestal: 25 kg
Certification and standard references	2014/30/EU EMC, 2014/35/EU LVD, RoHs 2011/65/UE International Pharmacopoeia 0417E X° edition ISO 15001, BAM M 034-1



DIMENSIONS



PRODUCT CODES

CODE	DESCRIPTION
0005-16-001	PureOxyTEL: Automatic O2 purity analyser
0005-16-050	PureOxyTEL canopy and pedestal: Floor mount pedestal and housing outdoor canopy
0001-21-002	PlanTEL Plus: PureOxyTEL to RS485 CrioNET LAN interface unit

