

PUMPING STATION STUDY BENCH TRAINER

Model Number : GOTT-PSSBT-03

DESCRIPTION

GOTT-PSSBT-03 is an educational pumping station is a scaled-down replica of a distribution network of a small town and the surrounding countryside which is supplied by a water storage tank. The dewatering pump pumps into the water table and fills a buffer tank. A pumping station for filling a water tower. Two solenoid valves placed on the water tower simulate household consumption with water returning to the tank.





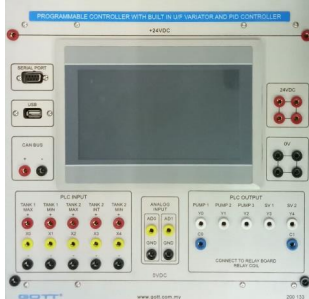

FEATURES

- A PVC tank stimulates "the well" equipped with a manual drain valve
- A dewatering pump consisting of a centrifugal pump controlled by a speed variator
- A pvc tank stimulates "the water tower" equipped with an analog level sensor connected to an industrial programmable controller and a U/f variator, a PID type control of the water level in the tank.
- Two discrete type sensors for checking the min. and max. in the tank.
- A piping circuit for well / pump / water
- Two centrifugal pumps for filling the water tower
- Consumption stimulated by two manually operated solenoid valves or controlled by the automaton and connected back to the well and the water tower
- A control and regulation cabinet equipped with an industrial PLC controls and commands the different compositions of the station.
- Assembled a mobile metal structure on four wheels, two of which are equipped with a locking device.

TECHNICAL SPECIFICATIONS






- A transparent PVC container with a capacity of 100 liters
- A transparent PVC tank with a capacity of 100 liters
- Drainage pump: centrifugal pump in stainless steel, flow rate 3 m³ / h; 0.5 kW with analogue flow sensor and pressure gauge on the pumping unit circuit
- 3 digital level sensors
- 1 analog level sensor 2 solenoid valves
- A control cabinet equipped with a programmable controller with analog and discrete outputs and inputs, a PID control unit, communication interfaces, a digital frequency converter, a programming console and a power circuit
- Power supply: 220-240 V-50 Hz
- Accessories : Cords and connection cable

PRODUCT MODULES

SINGLE PHASE POWER CONTROL	CODE 577-102	+24VDC POWER SUPPLY	CODE 013-090	PROGRAMMABLE CONTROLLER WITH TOUCH SCREEN SYSTEM	CODE 200-133	FLOW RATE METER	CODE 200-135
<ul style="list-style-type: none"> • Qty: 1 	<ul style="list-style-type: none"> • Qty: 1 	<ul style="list-style-type: none"> • Qty: 1 	<ul style="list-style-type: none"> • Qty: 1 				

PUMPING STATION STUDY BENCH TRAINER

Model Number : GOTT-PSSBT-03

WATER PUMP 1 CONTROLLER MODULE	CODE 200-134	3-FOLD RELAY	CODE 013-030	EXPERIMENT MANUAL	CODE 146-035	U-LINK	CODE 159-019
<ul style="list-style-type: none"> Qty: 1 		<ul style="list-style-type: none"> Qty: 2 				<ul style="list-style-type: none"> A unit which is wed to link the unit together 	
							
						SAFETY CONNECTING LEAD	CODE 237-001
						<ul style="list-style-type: none"> 4mm connecting leads 	
							
EXPERIMENT TOPICS							
<ul style="list-style-type: none"> Familiarization with Pumping Station Study Bench Trainer Simulate Household Consumption Study of Pumping Station Operation PID control with Programmable Logic Controller PID Pumping Station Control with Programmable Logic Controller (PLC) 							

Manuals :

- (1) All manuals are written in English
- (2) Model Answer
- (3) Teaching Manuals

General Terms :

- (1) Accessories will be provided where applicable.
- (2) Manual & Training will be provided where applicable.
- (3) Design & specifications are subject to change without notice.
- (4) We reserve the right to discontinue the manufacturing of any product.

Warranty :

2 years

ORDERING INFORMATION :

ITEM	MODEL NUMBER	CODE
PUMPING STATION STUDY BENCH TRAINER	GOTT-PSSBT-03	200-033

* Proposed design only, subject to changes without any notice