

HYDRAULIC TRAINING SET, ADVANCED LEVEL

Model Number : GOTT-HYD-ADV-01

No	Contents	Order No.	Qty.
1	Cylinder guide	15024	1
2	Double-acting cylinder	15031	1
3	4/3-way valve (All block)	15041	1
4	4/3-way valve (ABT connected)	15042	1
5	2/2-way stem-actuated valve	15049	1
6	Pressure relief valve (directly controlled)	15050	1
7	Flow dividing valve	15054	1

No	Contents	Order No.	Qty.
8	Pressure relief valve(externally actuated)	15055	1
9	One-way flow control valve	15061	1
10	T connector	15066	4
11	Hose, 1500mm	15090	4
12	Hose, 1000mm	15091	4
13	Hose, 600mm	15092	12

EXPERIMENT TOPICS :

- Physical principle of hydraulic
- Function of hydraulic valve and device
- Feature of hydraulic pressure and flow rate
- Designing hydraulic circuit
- Basic hydraulic control system
- Flow control valve(Meter-in, Meter-out)
- Hydraulic motor and control circuit
- Pressure sequence circuit
- Step of drawing control circuit
- Feature and function of hydraulic accumulator
- Pressure loss in pipe

ELECTRO-HYDRAULIC TRAINING SET

Model Number : GOTT-EHYD-01

No.	Contents	Order No.	Qty.
1	Flow measurer	15020	1
2	Overload protector of POWER UNIT	15019	1
3	Single acting cylinder	15030	1
4	Double acting cylinder	15031	1
5	Transparent double acting cylinder	15039	1
6	Break double acting cylinder	15032	1
7	2/2-WAY solenoid valve	16010	1
8	3/2-WAY solenoid valve	16011	1
9	4/2-WAY solenoid valve	16012	1
10	4/2-WAY DOUBLE SOL.V/V	16013	1
11	4/3-WAY DOUBLE SOL.V/V(All Block)	16014	1
12	4/3-WAY DOUBLE SOL.V/V(ABT connected)	16015	1
13	4/3-WAY DOUBLE SOL.V/V(PT connected)	16016	1

No.	Contents	Order No.	Qty.
14	Pressure S/W	16020	1
15	Relay (3-fold)	13030	3
16	Time relay	13031	1
17	Counter	13032	1
18	Push-button switch set	13033	2
19	Inductive sensor	13040	1
20	Capacitive sensor	13041	1
21	Optical sensor	13042	1
22	Electric limit switch(left)	13051	2
23	Electric limit switch(right)	13052	2
24	Electric distributor	13034	1
25	Power supply	13090	1
26	Cable set	13080	2

EXPERIMENT TOPICS :

- Basic principle of electro-hydraulic
- Function of electro-hydraulic training set
- Electro-hydraulic control circuit
- Relay control circuit
- Electric self holding circuit
- Composing control system
- Count balance circuit
- Pressure compensative flow control valve
- Sequence and emergency circuit
- Application of hydraulic circuit
- Manual, auto, memory circuit
- Speed control circuit
- Fault finding in electro-hydraulic control system