

Table A1. Soil Pressure Transducer Calibration Factors

Transducer No.	Dynamic Strain Amplifier			Capacity(kN/m <sup>2</sup> )	Calibration Factor[(kN/m <sup>2</sup> )/volt]
	No.	Range Selector (*100 μ )	Calibration Setter( μ )		
EJ8930005	1	5	2900	49.05	8.891
EX3270002	2	5	2014	19.62	4.398
EX3270001	3	5	2198	19.62	3.732
EG6210026	4	5	1906	19.62	3.972
EX3270003	5	5	1981	19.62	4.339
EZ0660029	6	5	2090	19.62	3.763
EG6210004	7	5	1816	19.62	3.916
EZ0660017	8	5	2014	19.62	4.145
EE2450007	9	5	2193	19.62	4.233
EE2450023	10	5	1984	19.62	3.983
EG6210005	11	5	2005	19.62	3.653
EJ8930001	12	5	2951	49.05	8.901
YT4030032	13	5	2220	19.62	3.645
YT4030029	14	5	2465	19.62	4.290
EZ0660016	15	5	2109	19.62	3.999

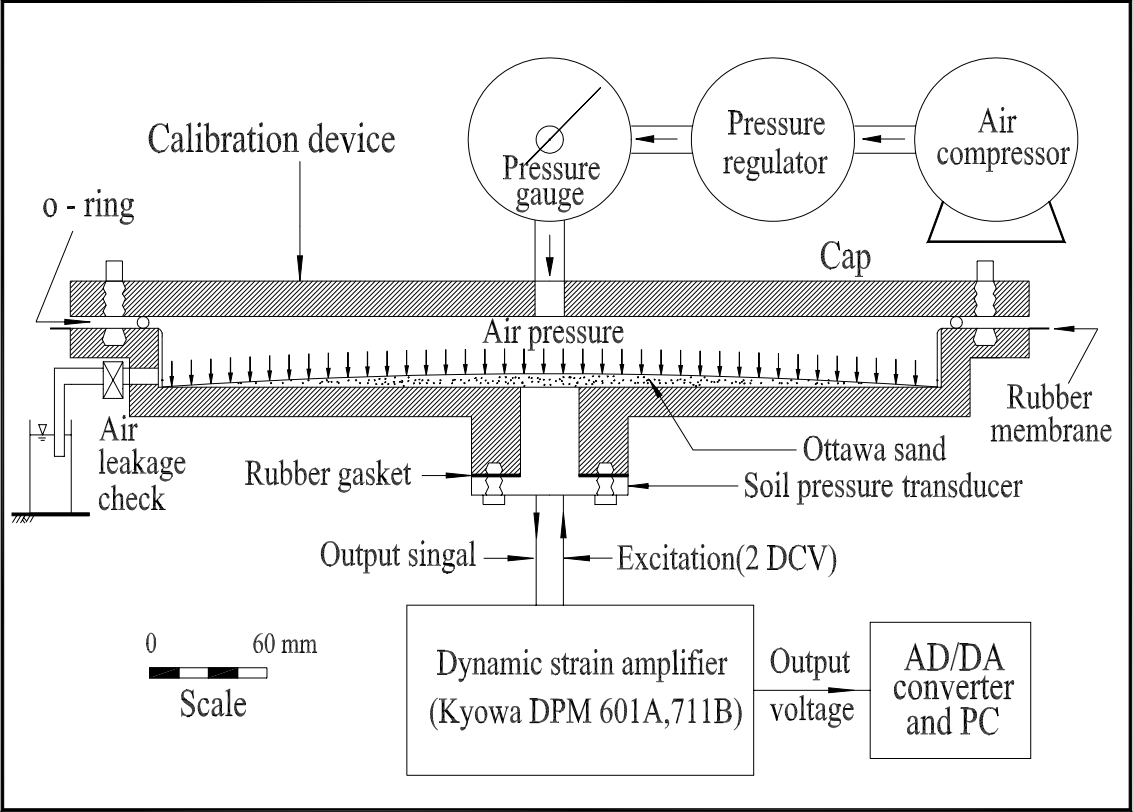


Fig.A.1 Schematic diagram of the soil pressure transducer calibration system.

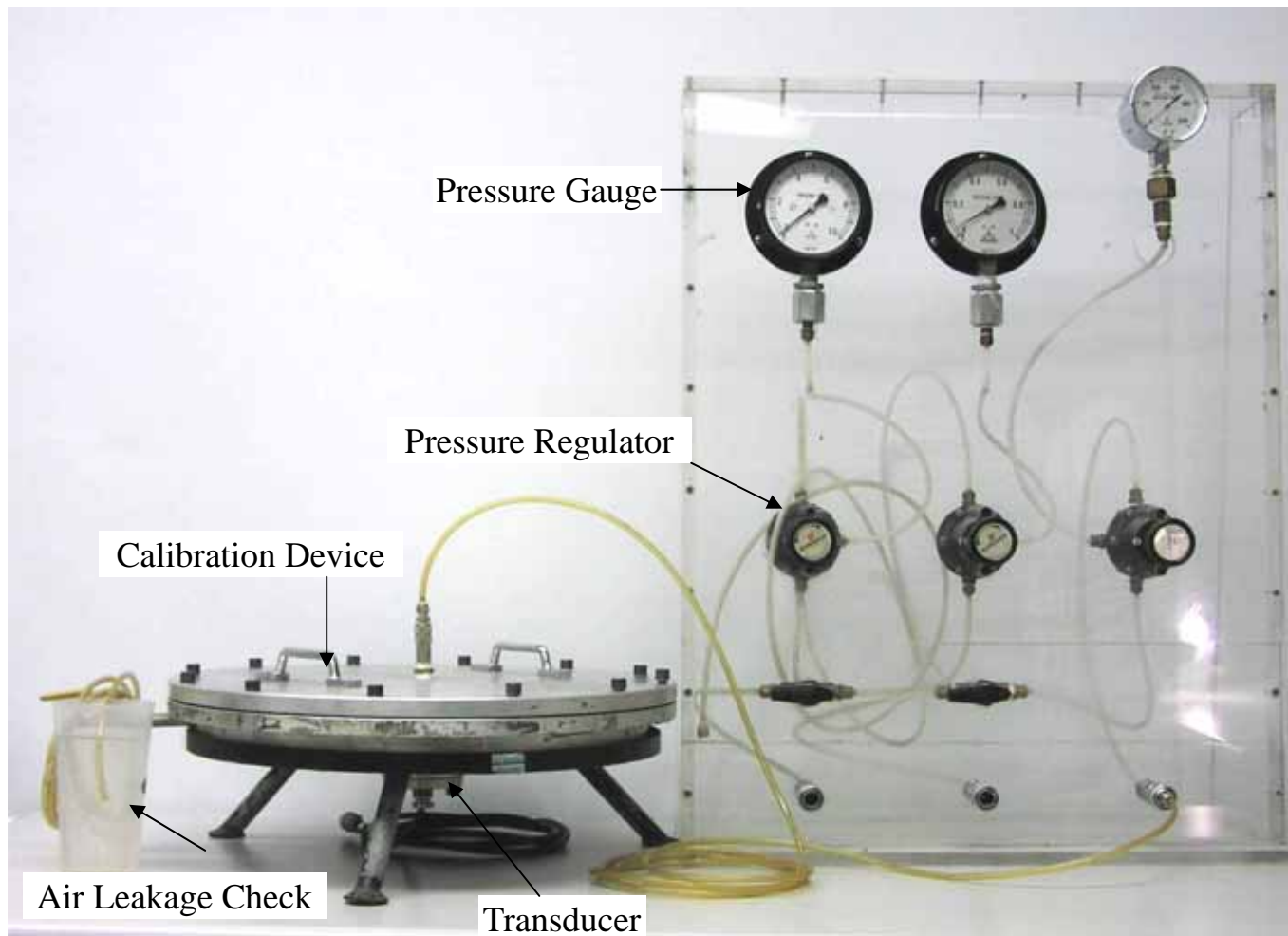


Fig. A2. Soil pressure transducer calibration system

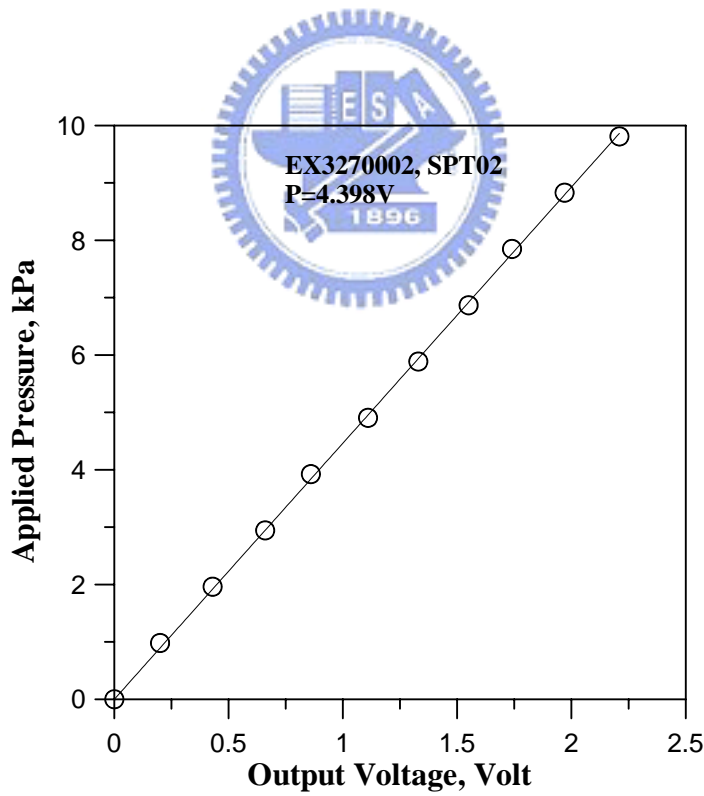
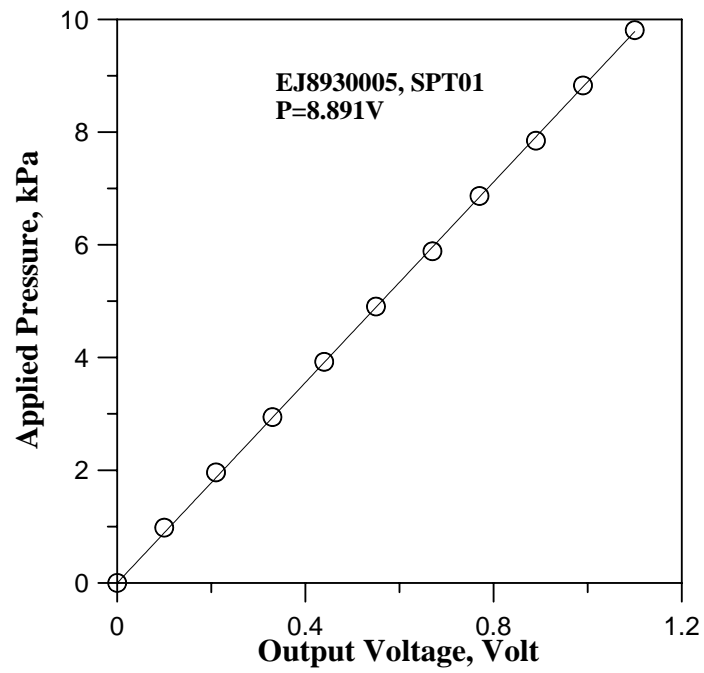


Fig. A3. Applied pressure versus voltage output for soil pressure transducer SPT01 and SPT02

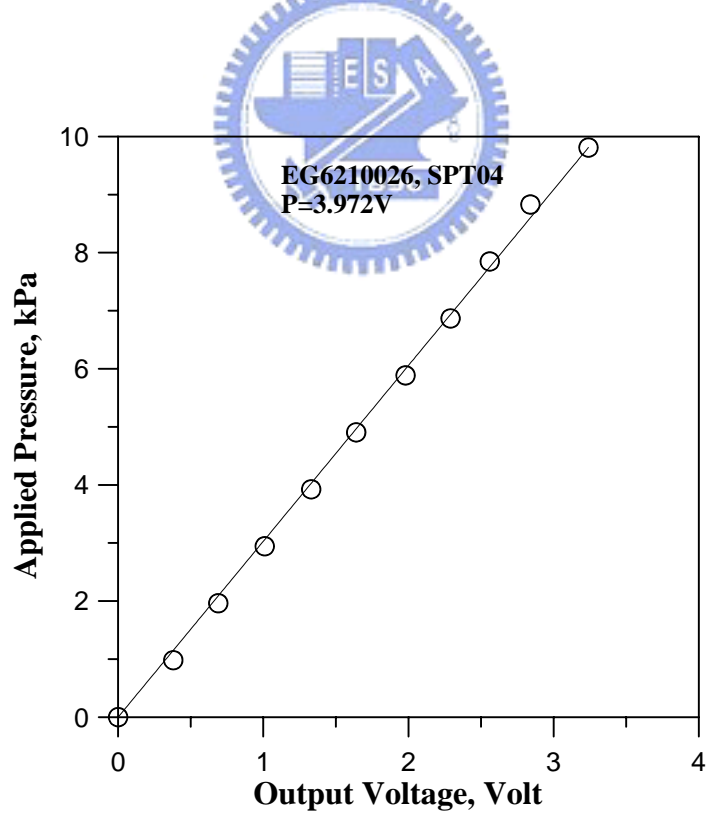
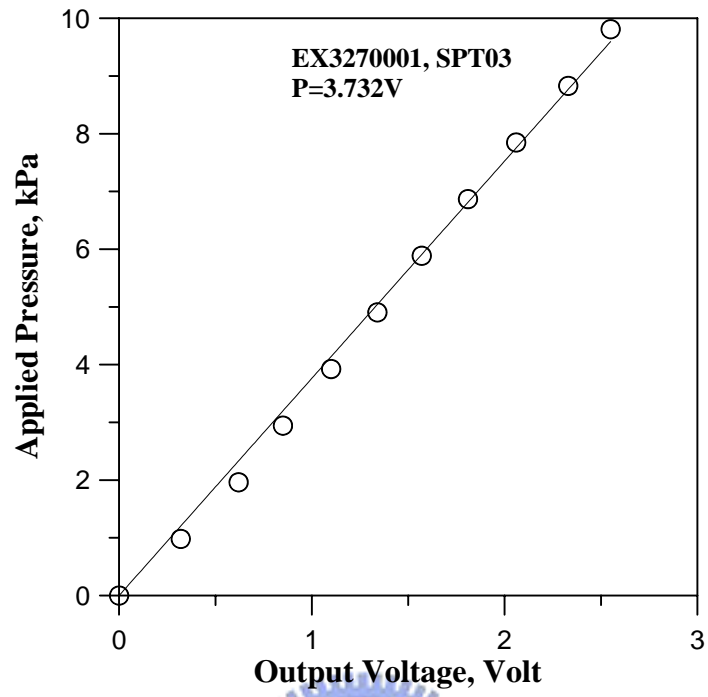


Fig. A4. Applied pressure versus voltage output for soil pressure transducer SPT03 and SPT04

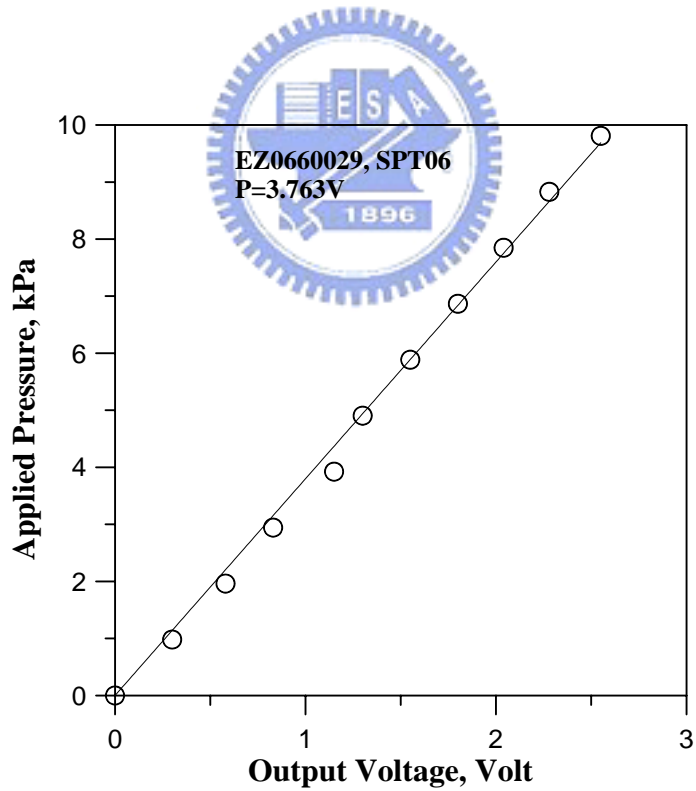
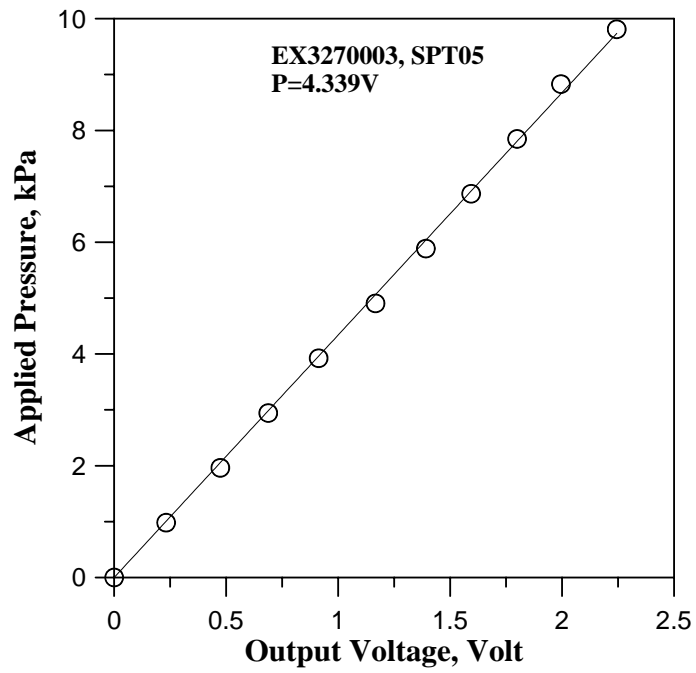


Fig. A5. Applied pressure versus voltage output for soil pressure transducer SPT05 and SPT06

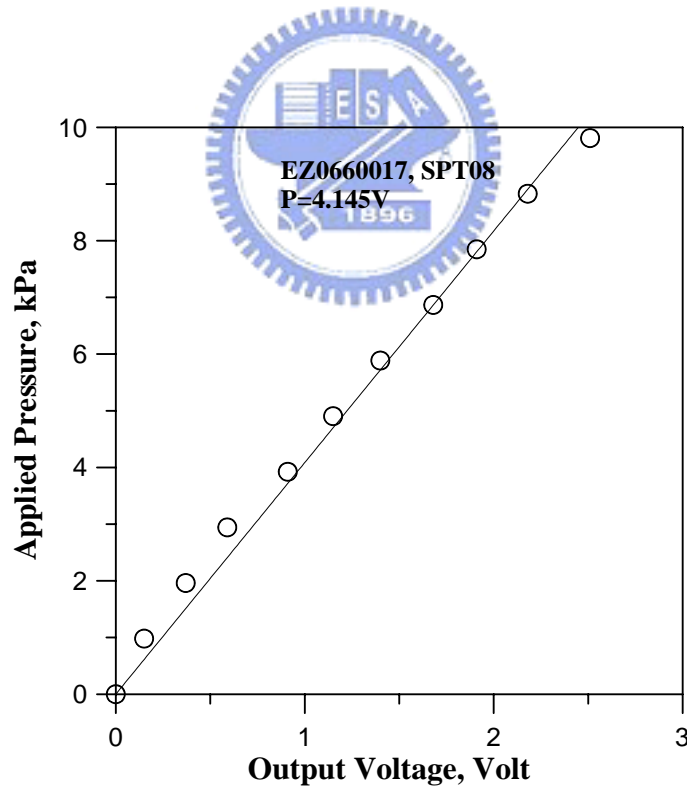
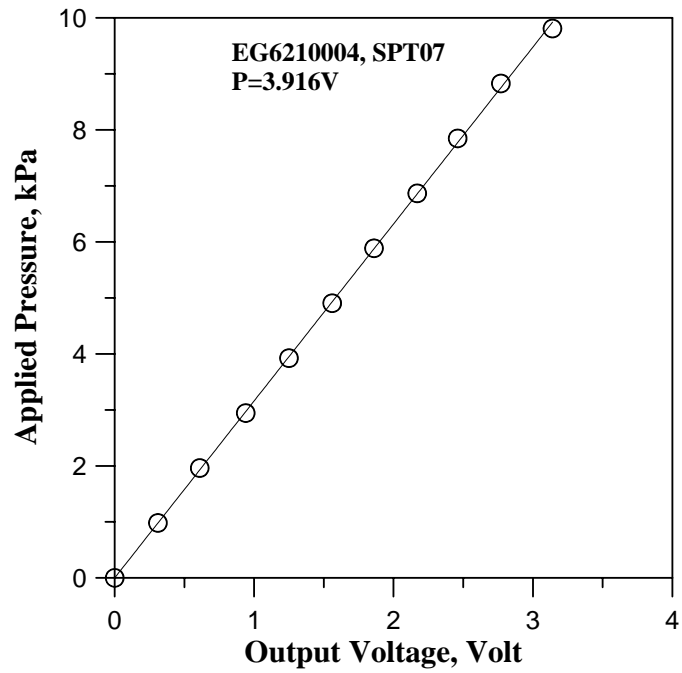


Fig. A6. Applied pressure versus voltage output for soil pressure transducer SPT07 and SPT08

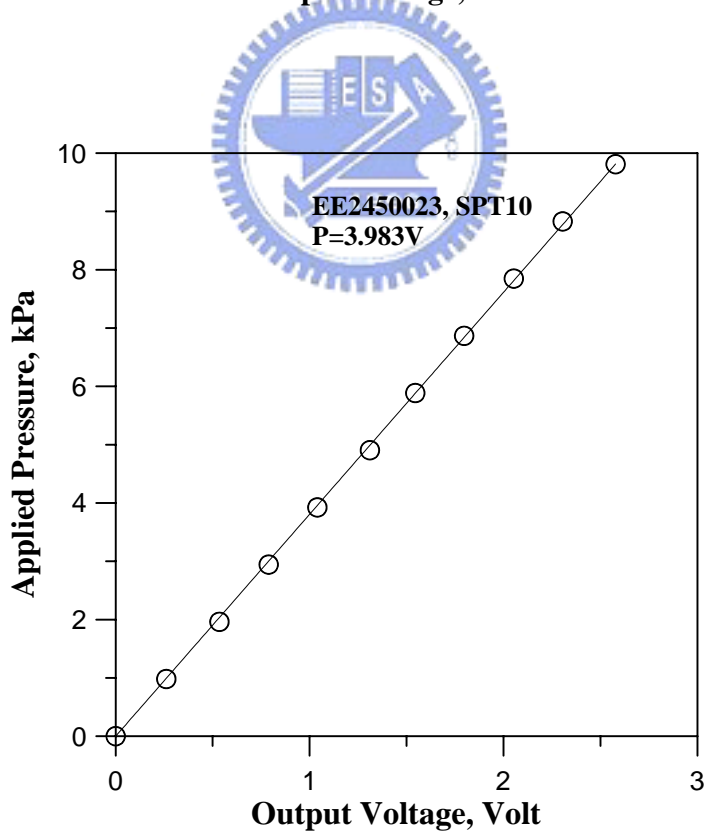
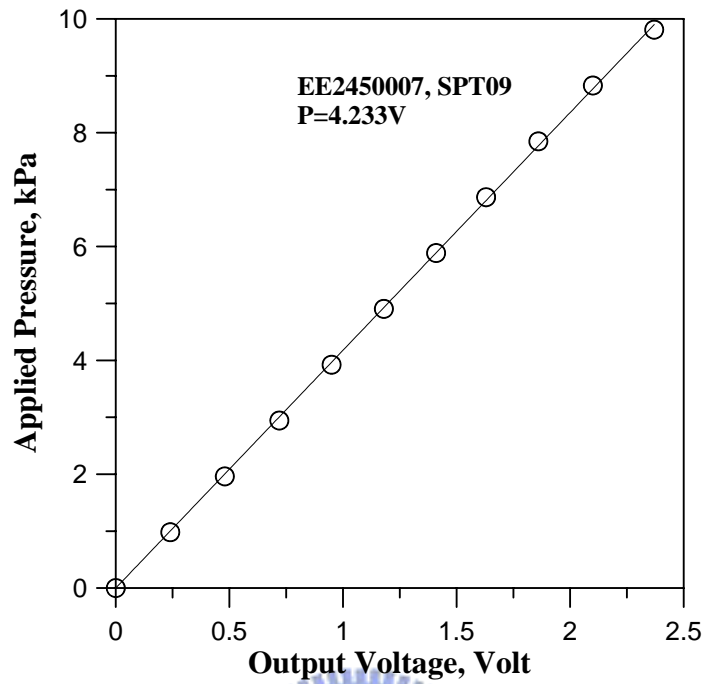


Fig. A7. Applied pressure versus voltage output for soil pressure transducer SPT09 and SPT10



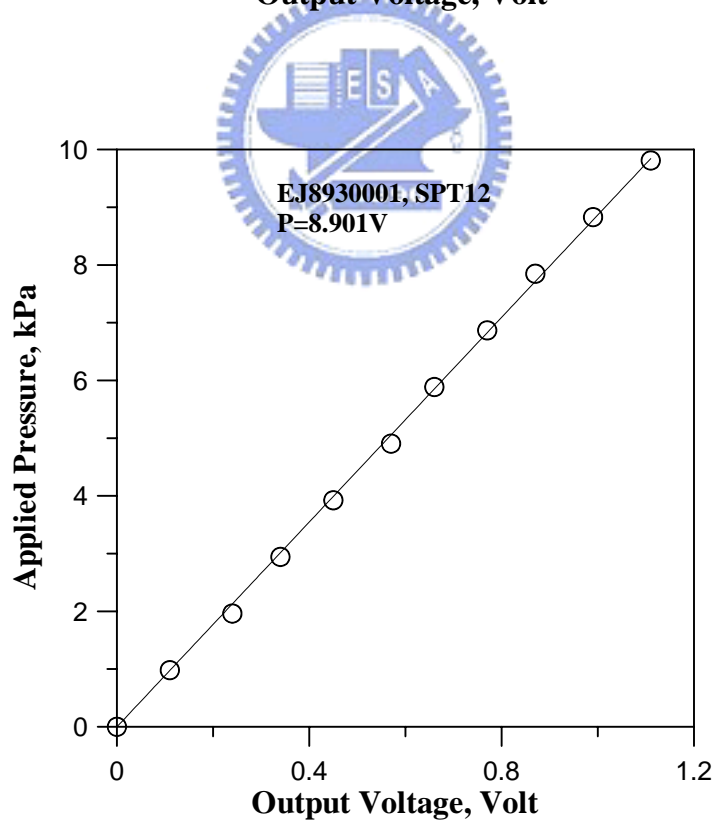
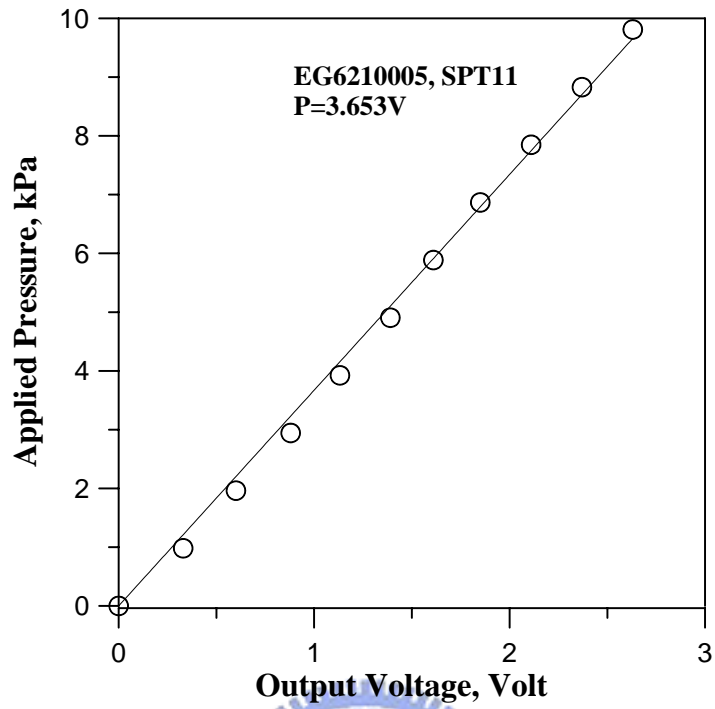


Fig. A8. Applied pressure versus voltage output for soil pressure transducer SPT11 and SPT12

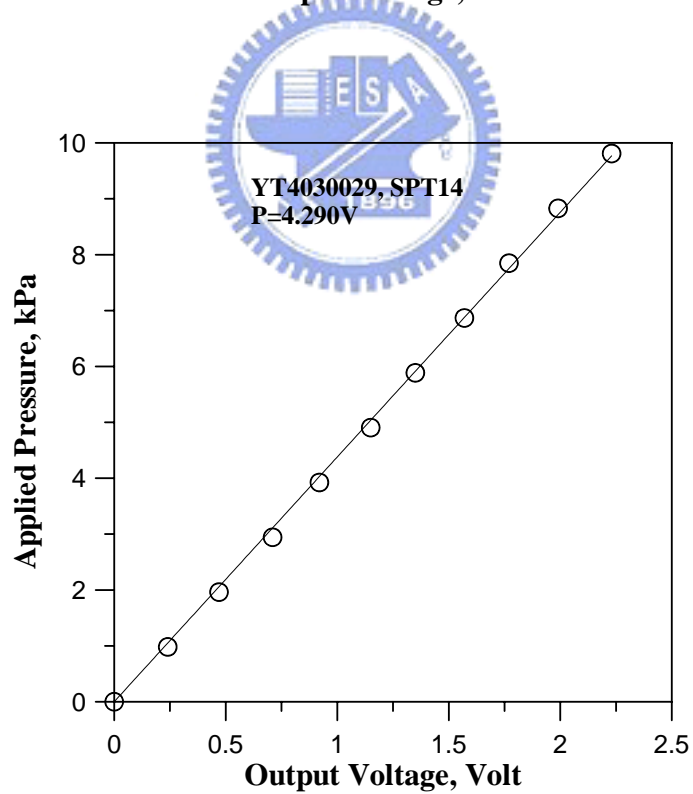
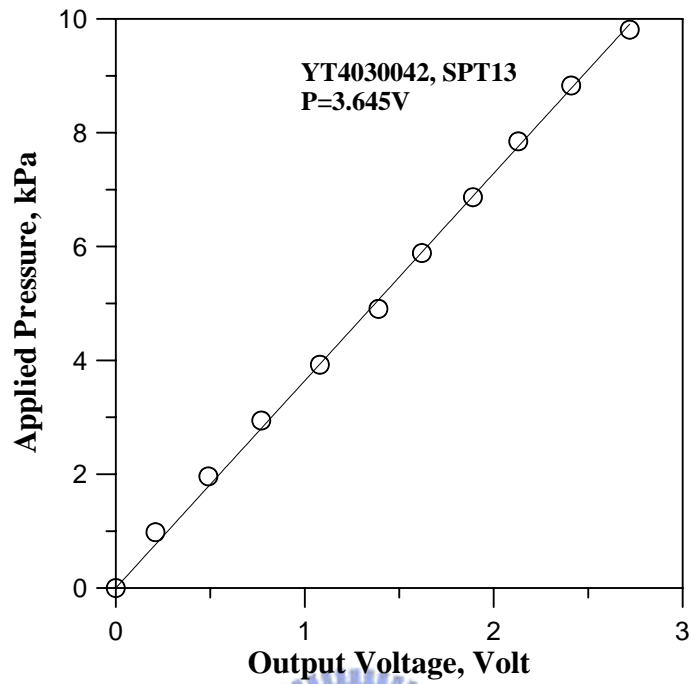


Fig. A9. Applied pressure versus voltage output for soil pressure transducer SPT13 and SPT14

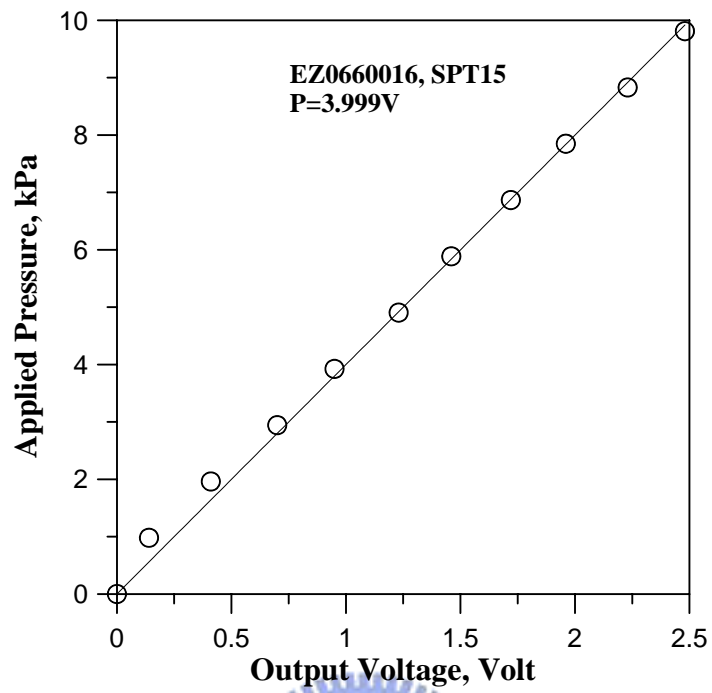


Fig. A10. Applied pressure versus voltage output for soil pressure transducer SPT15