

Table A1. Soil Pressure Transducer Calibration Factors

| Transducer No. | Dynamic Strain Amplifier | | | Capacity(kN/m ²) | Calibration Factor[(kN/m ²)/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 |

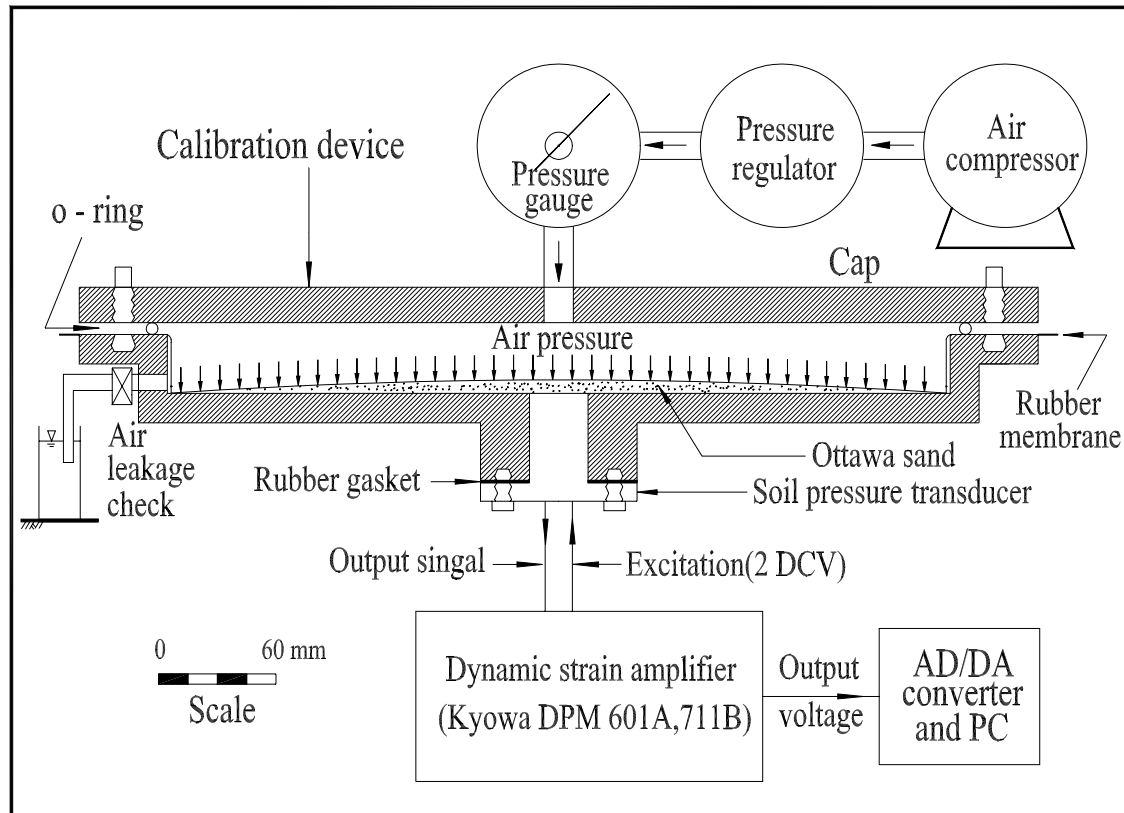


Fig.A1. Schematic Diagram of the Soil Pressure Transducer Calibration System.

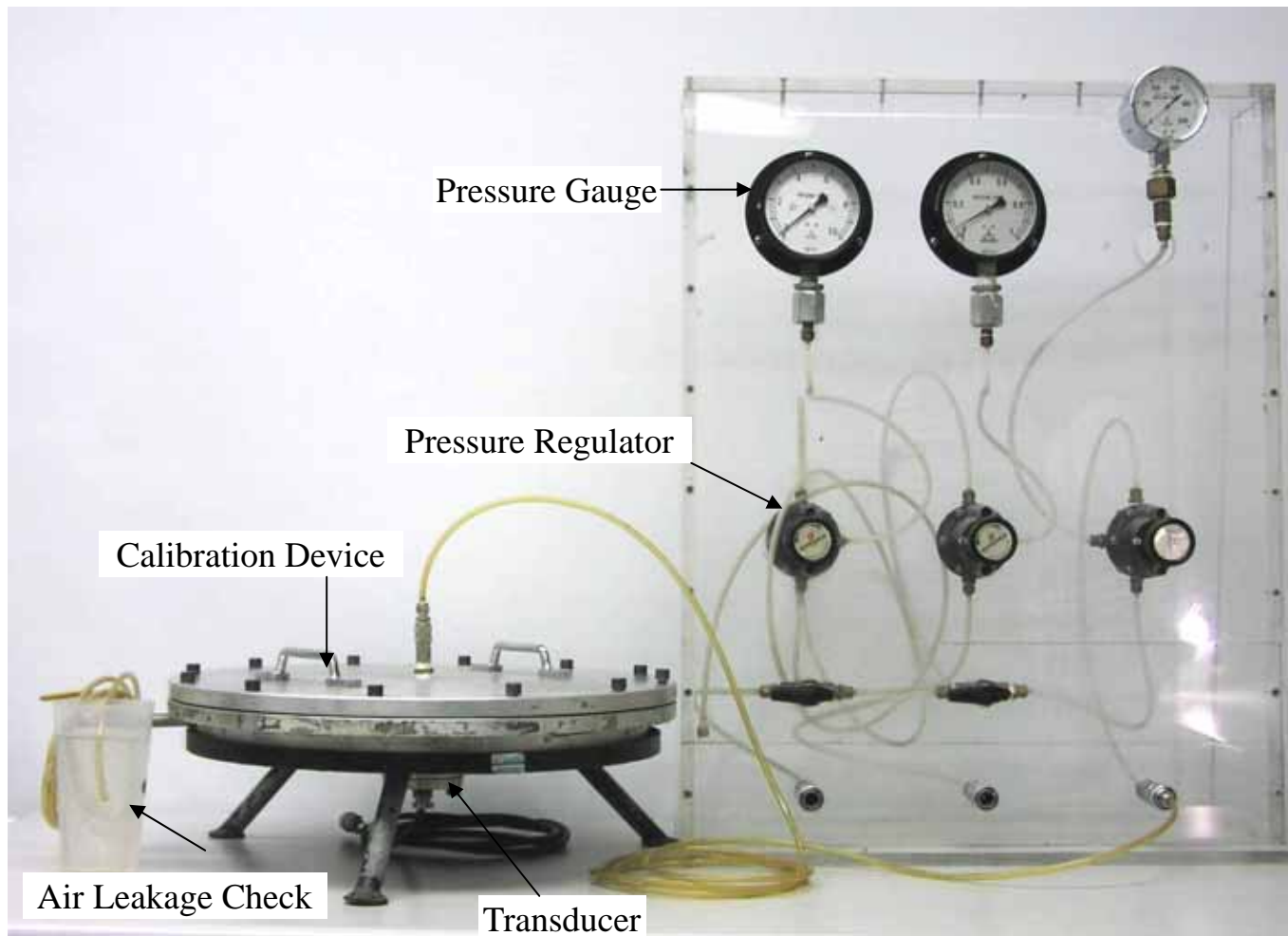


Fig. A2. Soil Pressure Transducer Calibration System

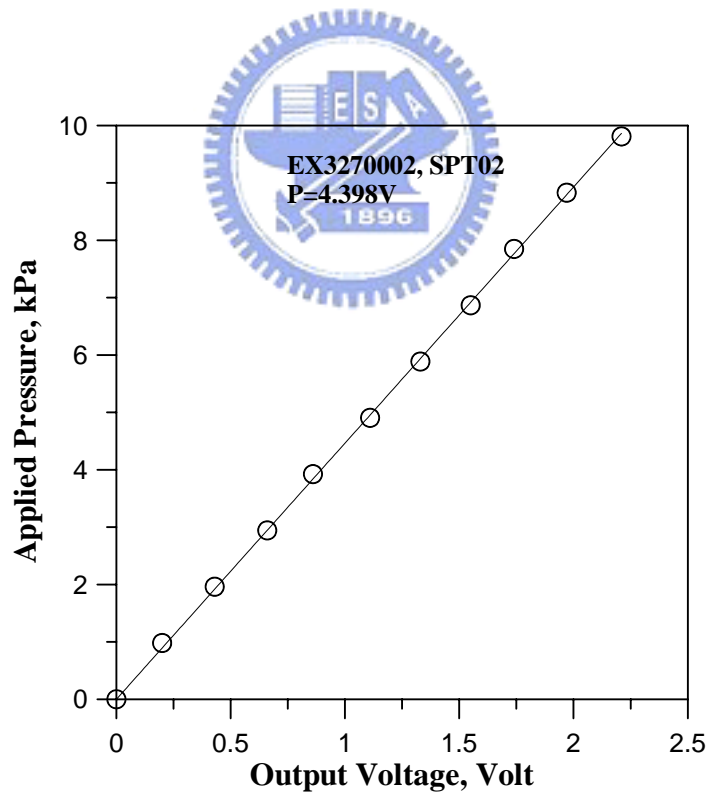
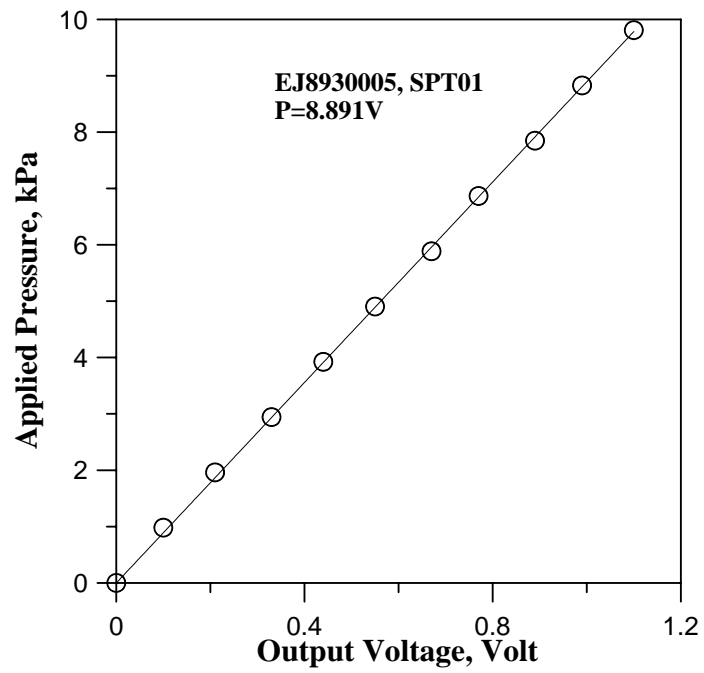


Fig. A3. Applied Pressure versus Voltage Output for soil Pressure Transducer SPT01 and SPT02

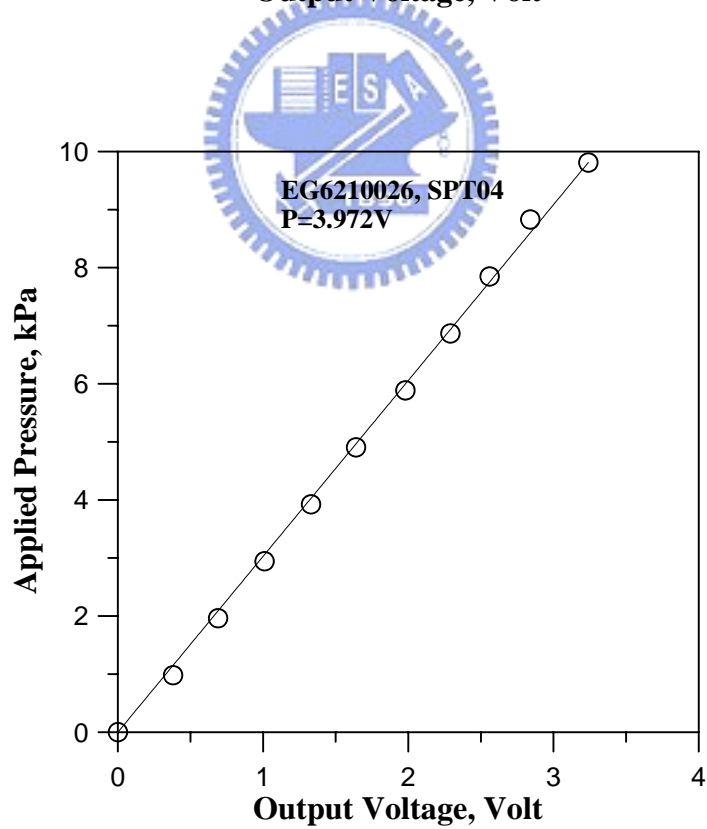
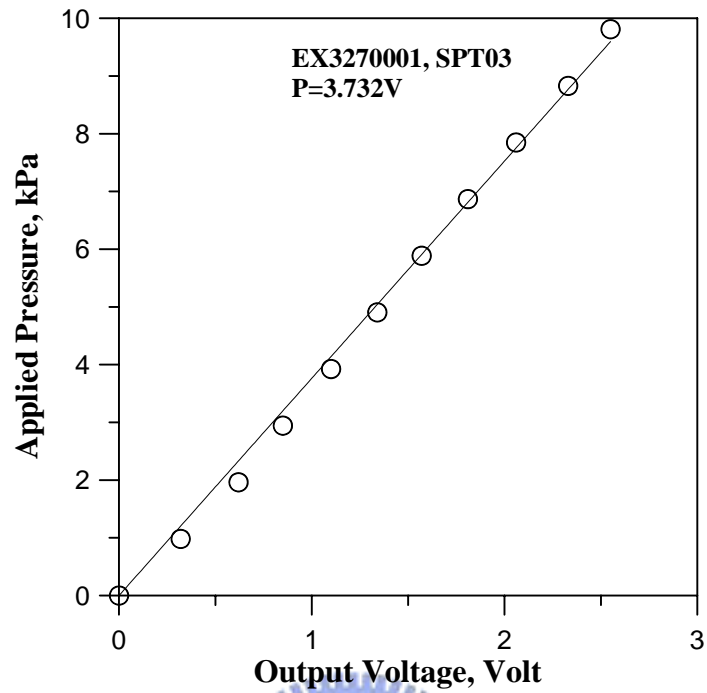


Fig. A4. Applied Pressure versus Voltage Output for soil Pressure Transducer SPT03 and SPT04

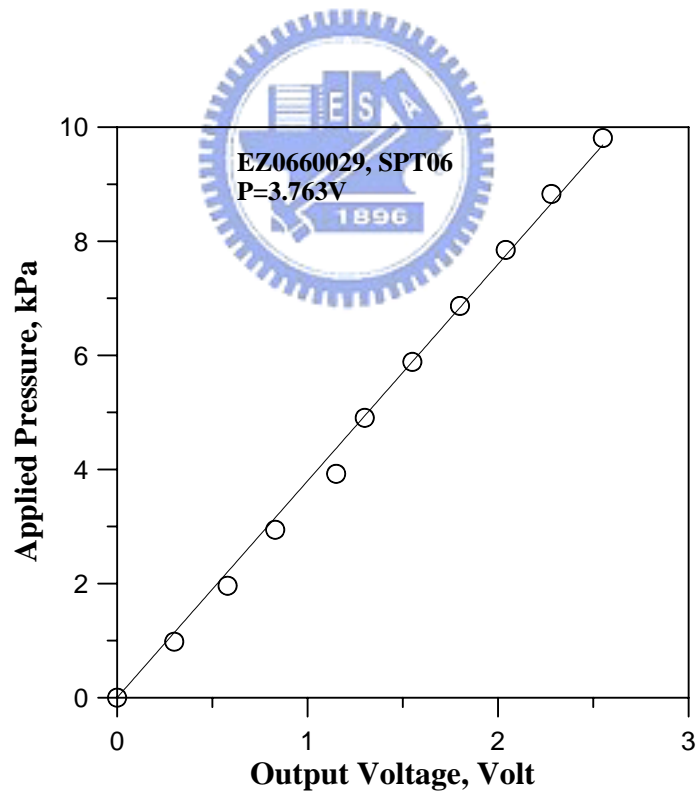
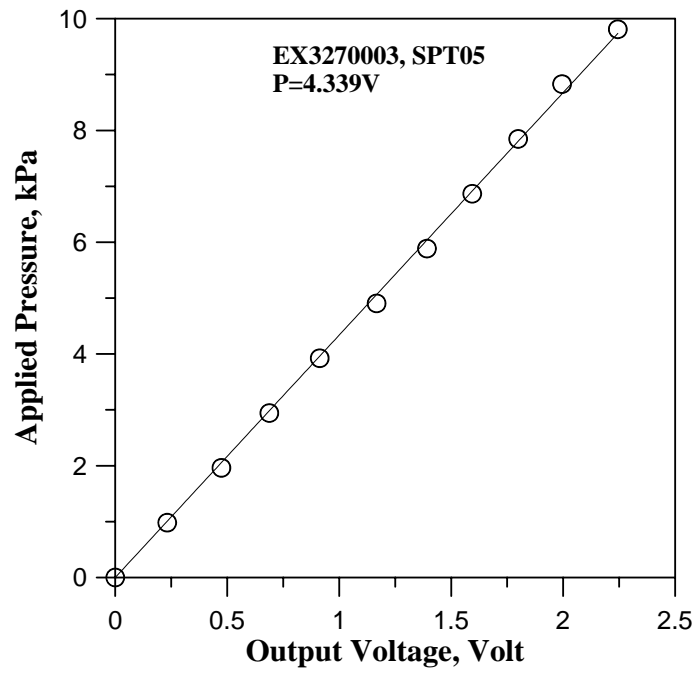


Fig. A5. Applied Pressure versus Voltage Output for soil Pressure Transducer SPT05 and SPT06

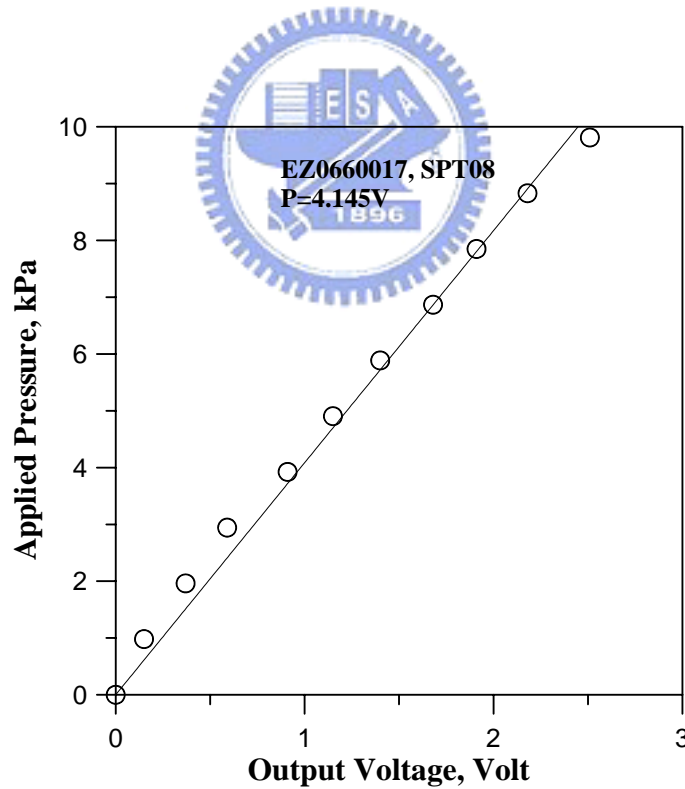
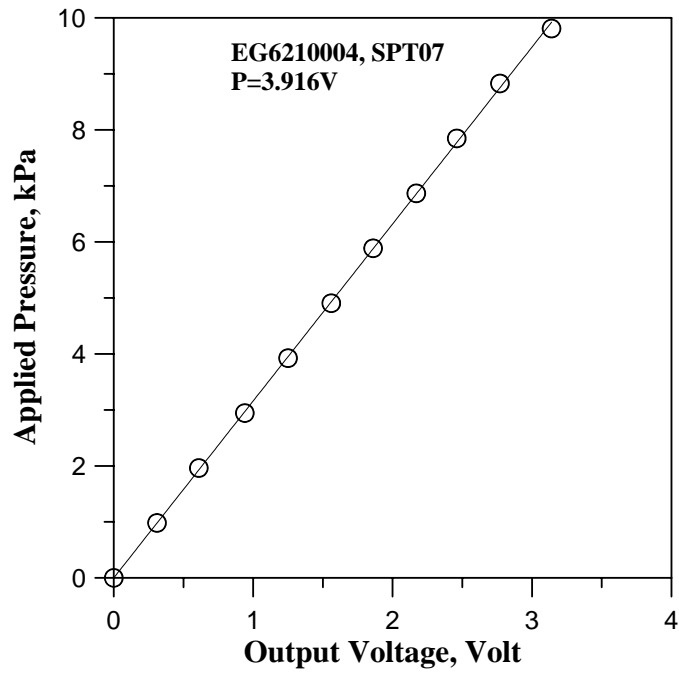


Fig. A6. Applied Pressure versus Voltage Output for soil Pressure Transducer SPT07 and SPT08

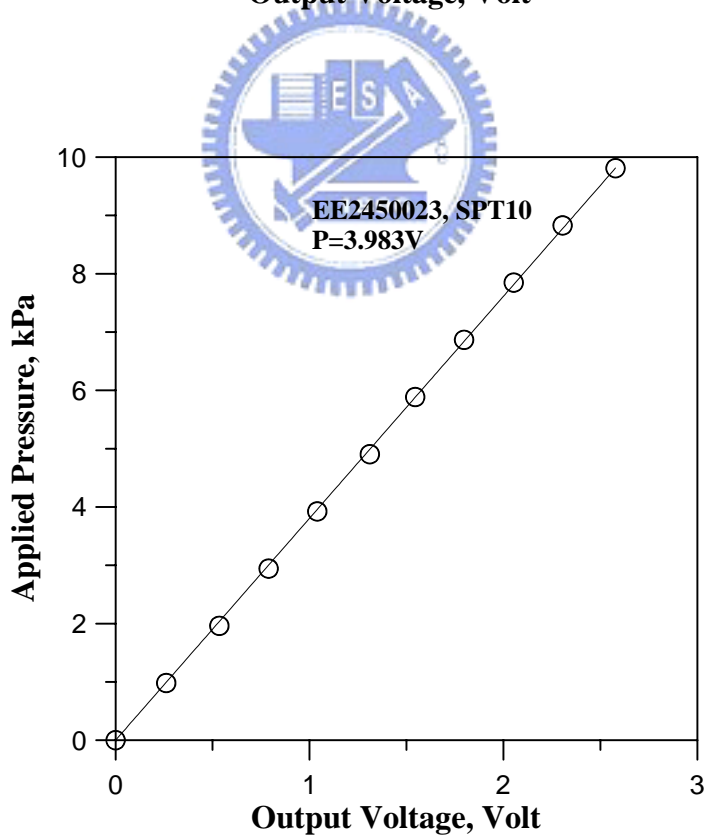
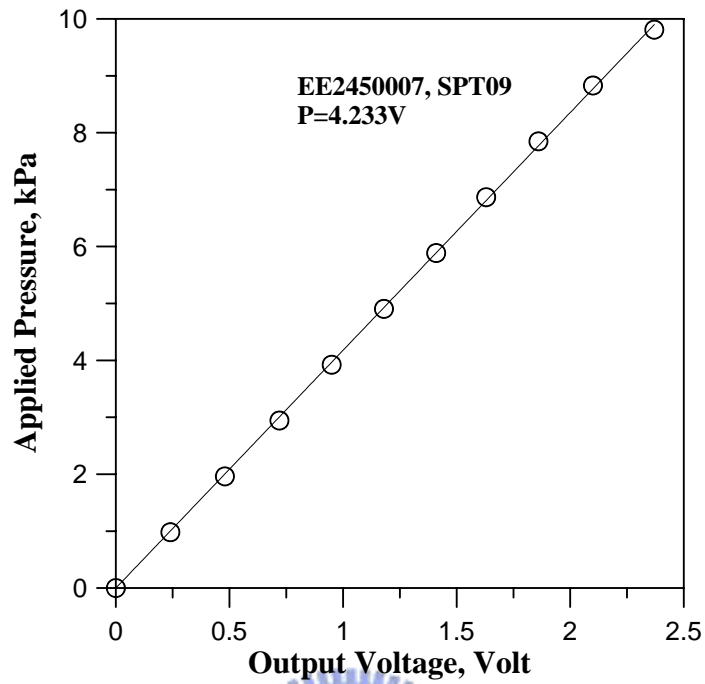


Fig. A7. Applied Pressure versus Voltage Output for soil Pressure Transducer SPT09 and SPT10

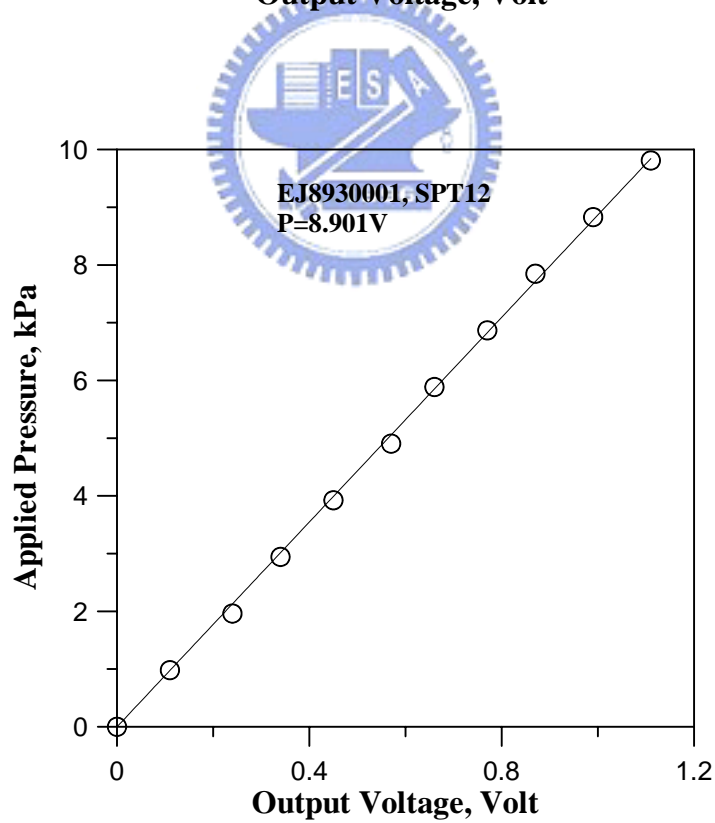
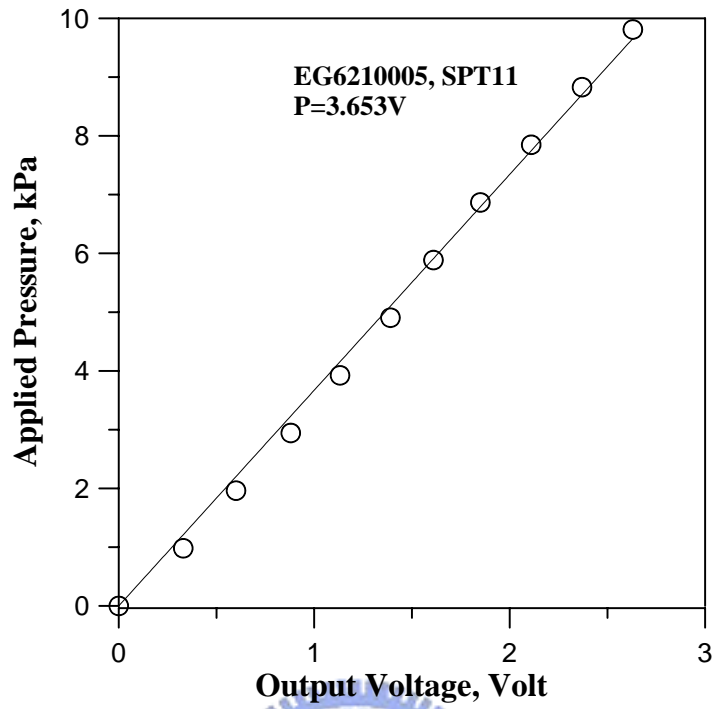


Fig. A8. Applied Pressure versus Voltage Output for soil Pressure Transducer SPT11 and SPT12

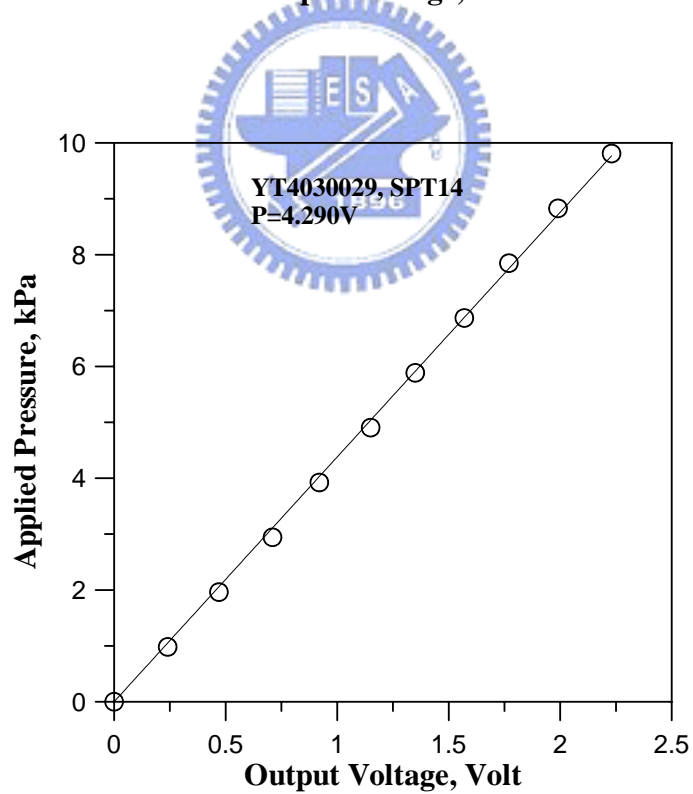
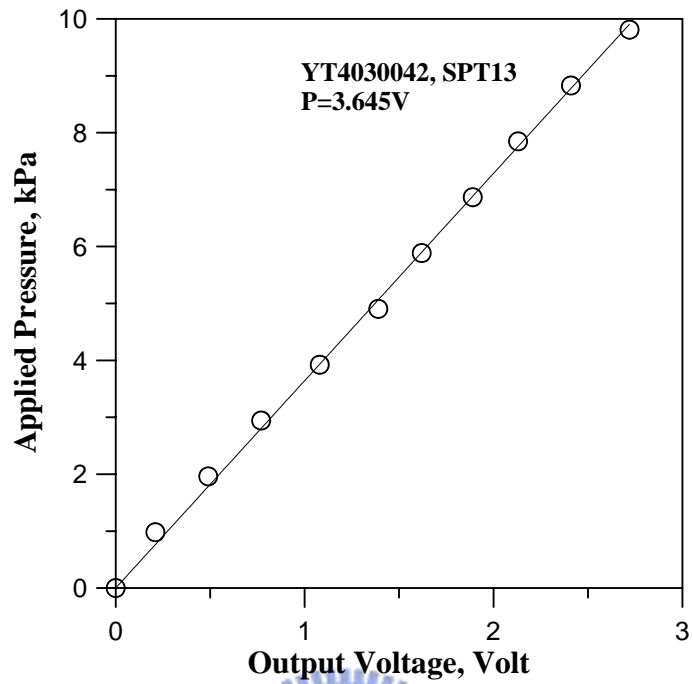


Fig. A9. Applied Pressure versus Voltage Output for soil Pressure Transducer SPT13 and SPT14

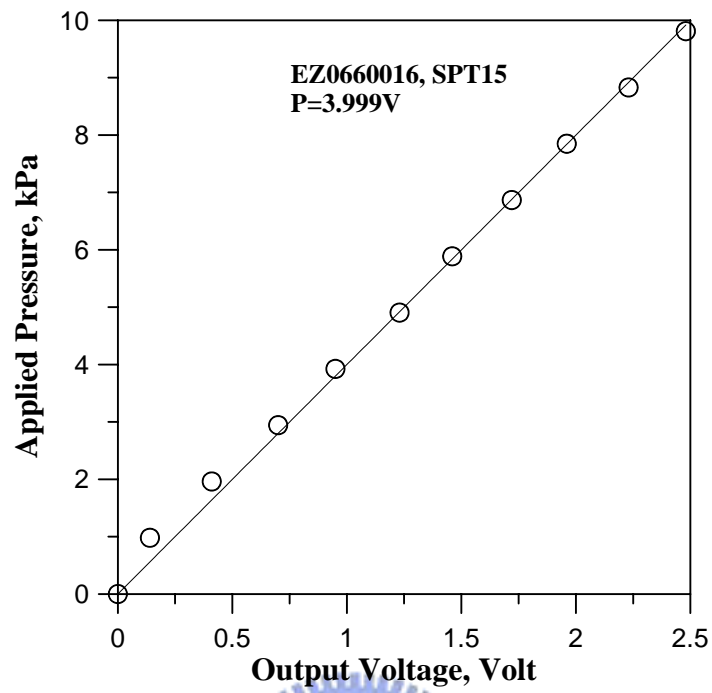


Fig. A10. Applied Pressure versus Voltage Output for soil Pressure Transducer SPT15