PROTSURV DUOCON

Digital Control System

Compression Testing Setup - Operation Manual

INDEX

1. Operation for Cube Testing
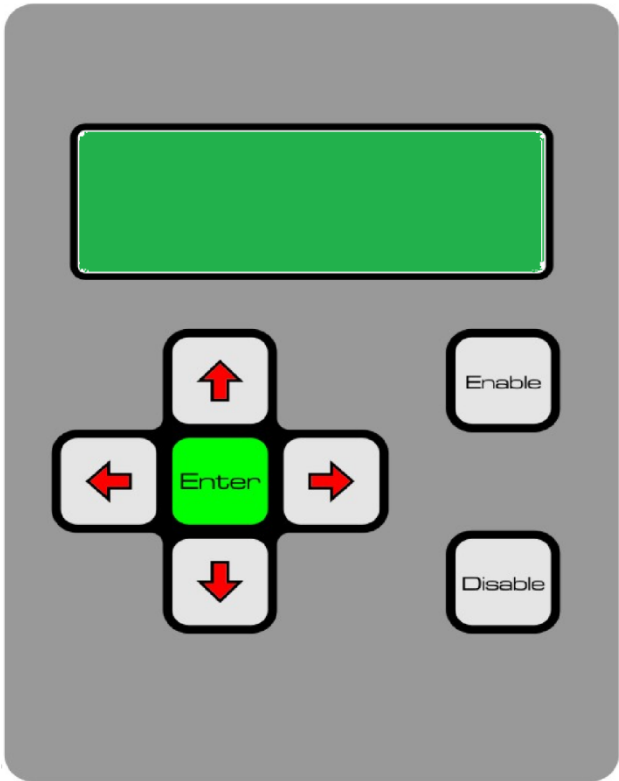
Switch On DuoCon Control Unit
On Back Side Of This Unit

Protsurv Geo Centre
+2711 976 2070
Protsurv V2.00
CUBE Press x.xx

Protsurv Geo Centre
CUBE PRESS
2014/01/13 07:39
Press Enter

PRESS ENTER To Go To Main Menu

```
Load               0.1 kN


*Run Test
*Setup
```

**To Select Test, Scroll down
To Run Test And Press Enter
MAKE SURE THE SWITCH ON
FRONTPANEL ARE ON THE AUTO
POSISTION!!!**

```
*CUBE Testing
*ACV
*10% FACT
*Return
```

**Scroll to CUBE Testing And Press
Ente**r

```
*Load Rate      337 kN/min
*Test Setup
*Run Test
*View Last Test
```

**To Setup Test Scroll
Down to Test Setup And
Press Enter**

```
*Batch No     aaa-000
```

**To RUN Test Scroll Down To
RUN Test And Press Enable**

```
        Approaching Sample
Load                 0.1 kN


Time              00:01
```

**Approaching Will Begin And
Run Until Sample has been
Touched And will Start
Running The Test**

```
          Running Test
Load                 0.5 kN


Time              00:00
```
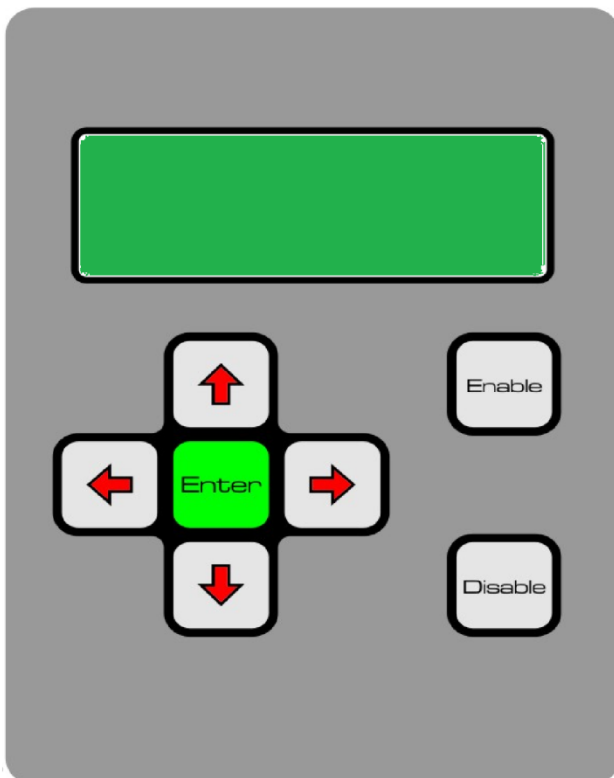
**Test will Run Until The Sample
Reaches Peak Load**

Failure	
Load	600.0 kN
Time	02:00

**When Failure Are
Complete The Results Are
Displayed Until Enable Are Pressed**

2. Operation for ACV Testing

**Switch On DuoCon Control Unit
On Back Side Of This Unit**

```
        Protsurv Geo Centre
          +2711 976 2070
Protsurv V2.00
Cube Press x.xx
```

```
        Protsurv Geo Centre
           Cube Press
         2014/01/13 07:39
           Press Enter
```

PRESS ENTER To Go To Main Menu

```
Load              0.1 kN

*Run Test
*Setup
```

**To Select Test, Scroll down
To Run Test And Press Enter
MAKE SURE THE SWITCH ON
FRONTPANEL ARE ON THE AUTO
POSISTION!!!**

```
*CUBE Testing
*ACV
*10 % FACT
*Return
```

**Scroll To ACV And
Press Enter**

*Load Rate   40 kN/min
*Test Setup
*Run Test
*View Last Test

**To Setup Test Scroll
Down to Test Setup And
Press Enter**

*Batch No   aaa-000

**To RUN Test Scroll Down To
RUN Test And Press Enable**

Approaching Sample

Load   0.1 kN

Time   00:01

**Approaching Will Begin And
Run Until Sample has been
Touched And will Start
Running The Test**

Running Test

Load   0.5 kN

Time   00:00

**Test will Run Until The Sample
Reaches 400 kN in 10 min**

Test complete

Load   400.0 kN

Time   10:00

**When testing Are
Complete The Results Are
Displayed Until Disable Are Pressed**

3. Operation for 10 % FACT Testing
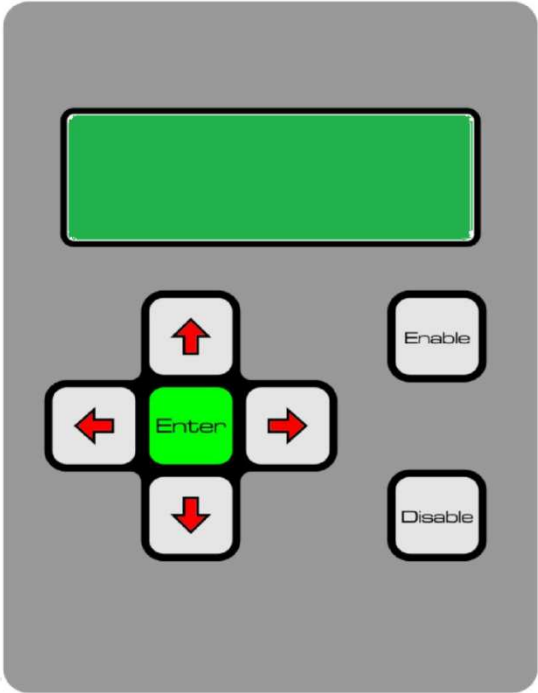
Switch On DuoCon Control Unit
On Back Side Of This Unit

```
Protsurv Geo Centre
   +2711 976 2070
Protsurv V2.00
Cube Press x.xx
```

```
Protsurv Geo Centre
    Cube Press
  2014/01/13 07:39
    Press Enter
```

PRESS ENTER To Go To Main Menu

```
Load                 0.1 kN


*Run Test
*Setup
```

To Select Test, Scroll down
To Run Test And Press Enter
MAKE SURE THE SWITCH ON
FRONTPANEL ARE ON THE AUTO
POSISTION!!!

```
*Cube Testing
*ACV
*10% FACT
*Return
```

Scroll to 10% FACT And Press Enter

```
*Load Rate      60 kN/min
*Test Setup
*Run Test
*View Last Test
```

To Setup Test Scroll
Down to Test Setup And
Press Enter

```
*Batch No      aaa-000
```

To RUN Test Scroll Down To
RUN Test And Press Enable

```
          Approaching Sample
Load                 0.1 kN


Time                 00:01
```

Approaching Will Begin And
Run Until Sample has been
Touched And will Start
Running The Test

```
             Running Test
Load                 0.5 kN


Time                 00:00
```

**Test will Run Until The Sample
Reaches Desired Load In 10 min**

Test complete	
Stability	15.05 kN
Flow	5.05 mm
Time	00:32

**When Testing Are
Complete The Results Are
Displayed Until Disable Are Pressed**

4. Downloading Log Files to PC
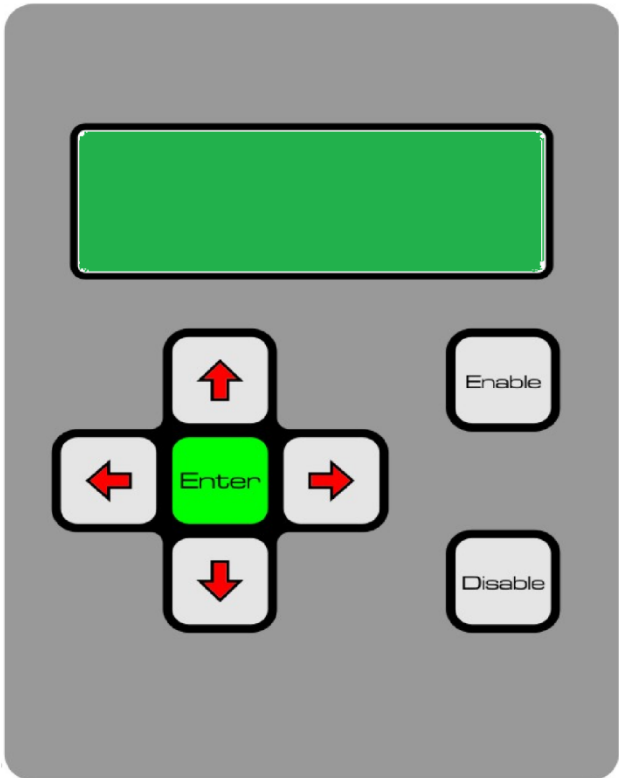
**Switch On DuoCon Control Unit
On Back Side Of This Unit**

```
        Protsurv Geo Centre
          +2711 976 2070
Protsurv V2.00
Cube Press Press x.xx
```

↓

```
       Protsurv Geo Centre
          Cube Press
        2014/01/13 07:39
          Press Enter
```

PRESS ENTER To Go To Main Menu

↓

```
Load              0.01 kN
Displace          0.01 mm
*Run Test
*Setup
```
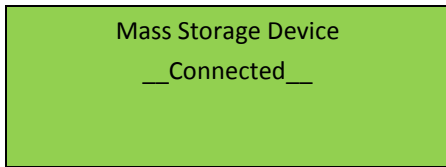
Scroll Down To Next Page

↓

```
*Set Speed
*Mass Storage Device
__Not Connected__
*Set Date & Time
```

**Scroll Down To Mass Storage
Device And Plug USB Cable to
Control Unit At Backside Of
Control Unit And Then To PC
THEN PRESS ENTER TO CONNECT
TO PC**

↓

Mass Storage Device
__Connected__

When Connected Are Displayed
The Mass Storage Device Will
Automatically Open On PC
All Logging Data can Be Copied From
LOG Folder To PC In TXT Format

NOTES

_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____
_____