

**MENU**

**Information and Settings**

## **Neps 1000<sup>®</sup> Advantage**

MEDIUM RISE  PSI  
**+02.25**  
RUN

Menu 12 / Dec / 2006  
DP Sen 11 Mnths  
1 Dewp. Control  
Off

LOW PRESSURE MEDIUM PRESSURE HIGH PRESSURE  
LEAK TEST GAS TEST RESUME

MENU ← →  
ALARM ↑ ↓

 **BROWNELL LIMITED**

POWER ON STANDBY

***The internal Dewpoint Sensor has a recommended operational life after which it should be re-calibrated or replaced with an exchange unit.***

***The date which appears, in the RH Display, when the `MENU` button is pressed is the start date of the Sensor's recommended operational span.***

***The number of months, shown on the second line of the display, shows the number of months left before re-calibration is recommended.***

***When the operational lifespan has expired the text changes to `DP Sen Old`***

***These dates are factory set and require entry of a PIN No. to revise them (see last `MENU` position)***

**Menu 12 / Dec / 2006  
DP Sen 11 Mnths  
1 Dewp. Control  
Off**

# MENU

## Information and Settings

### Right Hand Display

### Alternative Right Hand Display

Menu 12 / Dec / 2006  
DP Sen 11 Mnths  
1 Dewp. Control  
Off



Menu 12 / Dec / 2006  
DP Sen 11 Mnths  
1 Dewp. Control  
Once



Menu 12 / Dec / 2006  
DP Sen 11 Mnths  
1 Dewp. Control  
Stat.

See next page for details



Menu 12 / Dec / 2006  
DP Sen 11 Mnths  
2 Dewpoint Level  
-35.0 C



Menu 12 / Dec / 2006  
DP Sen 11 Mnths  
2 Dewpoint Level  
-38.0 C

Set appropriate Dewpoint level  
one press per degree rise or fall



Menu 12 / Dec / 2006  
DP Sen 11 Mnths  
3 Stat Range  
12 Degrees



Menu 12 / Dec / 2006  
DP Sen 11 Mnths  
3 Stat Range  
14 Degrees

Applicable only with Dewpoint Control set to 'Stat'  
(see following description 'Dewpoint Control-Stat')  
Adjusts the 'Cycle Suspended' period after the  
Dewpoint Sensor has switched from 'Gas In' to  
'Exhaust' Set the number of DP°C above the  
'Dewpoint Level' setting, (see menu 2)  
One press per degree, rise or fall.



Menu 12 / Dec / 2006  
DP Sen 11 Mnths  
4 Dwell In Secs  
045 Seconds



Menu 12 / Dec / 2006  
DP Sen 11 Mnths  
4 Dwell In Seconds  
055 Seconds

Applicable during 'Leak Test' Sets a Dwell  
period, after the gas pressure has reached pre-set  
value, to provide time for the pressure in the system  
to settle.  
This avoids any false results that may be caused by  
the movement of gas within the sealed system.  
One press per second, rise or fall.



Menu 12 / Dec / 2006  
DP Sen 11 Mnths  
5 Alarm Set  
-16.0 C



Menu 12 / Dec / 2006  
DP Sen 11 Mnths  
5 Alarm Set  
-13.0 C

Feature for future development



Menu 12 / Dec / 2006  
DP Sen 11 Mnths  
6 Alarm Polarity  
Low



Menu 12 / Dec / 2006  
DP Sen 11 Mnths  
6 Alarm Polarity  
High

Feature for future development



Menu 12 / Dec / 2006  
DP Sen 11 Mnths  
7 Pressure Scale  
PSI



Menu 12 / Dec / 2006  
DP Sen 11 Mnths  
7 Pressure Scale  
KPA

Select Pressure units for display



Menu 12 / Dec / 2006  
DP Sen 11 Mnths  
8 Dewpoint Scale  
Deg C



Menu 12 / Dec / 2006  
DP Sen 11 Mnths  
8 Dewpoint Scale  
Deg F

Select Dewpoint units for display

**Right Hand Display**

**Alternative Right Hand Display**

Menu 12 / Dec / 2006  
DP Sen 11 Mnths  
9 Audlo Set  
On



Menu 12 / Dec / 2006  
DP Sen 11 Mnths  
9 Audlo Set  
Off



Menu 12 / Dec / 2006  
DP Sen 11 Mnths  
10 LCD Contrast  
█



Menu 12 / Dec / 2006  
DP Sen 11 Mnths  
10 LCD Contrast  
▬

*Adjust contrast of LH display*



Menu 12 / Dec / 2006  
DP Sen 11 Mnths  
11 Beep In mS  
020 mS



Menu 12 / Dec / 2006  
DP Sen 11 Mnths  
11 Beep In mS  
030 mS

*Adjust duration of Beep*



Menu 12 / Dec / 2006  
DP Sen 11 Mnths  
Enter PIN  
0 0 0 0



Menu 12 / Dec / 2006  
DP Sen 11 Mnths  
Enter PIN  
1 2 3 4



*Press to enter digit 0-9*



*Press to move to adjacent position*

**Note :-**

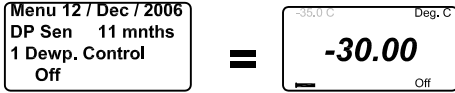
The PIN is only required to revise the Dewpoint Sensor details i.e

1. The start date of the sensor's recommended operational span, and
2. The number of months left before re-calibration is recommended.

### Menu 1

The Dewpoint Control program provides four options or purge cycles :-  
Two as shown below, with the NEPS configured as standard i.e. in house dewpoint sensor.

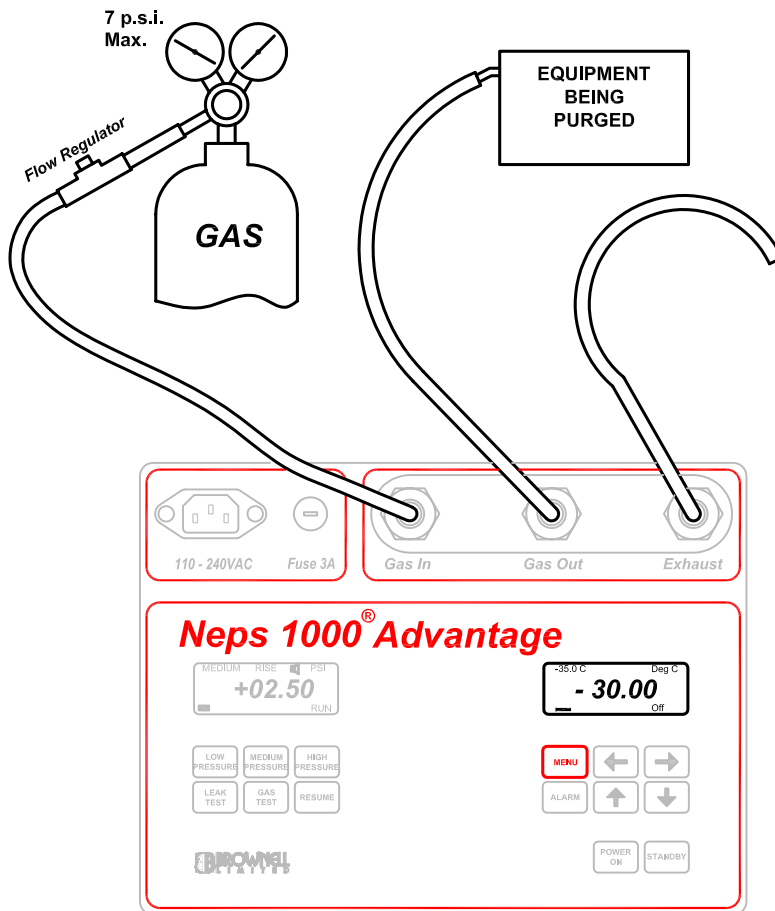
Two further options with the dewpoint sensor fitted remotely, directly into the equipment being purged, are described on the next page.



**Dewpoint Control - off** On the first occasion that the target DP value is achieved, the NEPS will have purged the air in the enclosure and the surface moisture on the equipment, but will continue purging until stopped by the operator.

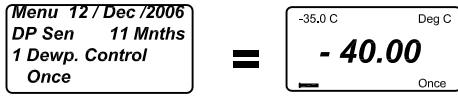


**Dewpoint Control - once** On the first occasion that the target DP value is achieved, the purge cycle will automatically stop and the NEPS will be set in "standby" mode. Whilst this cycle will not have completely purged the equipment of moisture, it does require a positive action by the operator to continue, thus providing a measure of conservation of the supply gas.

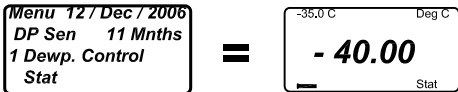


**Menu 1 : continued**

**Additional features available when the Dewpoint Sensor is fitted remotely, directly into the equipment being purged.**

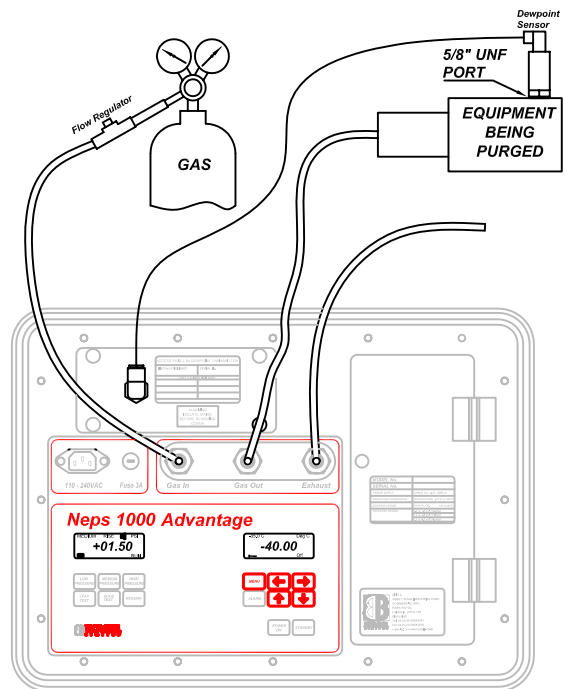
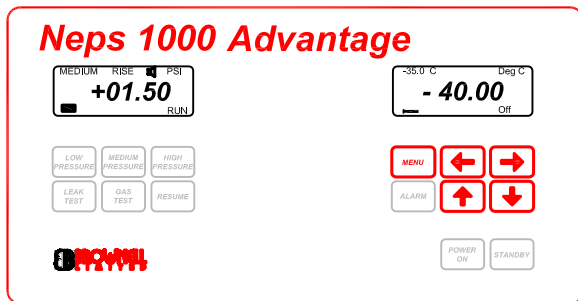


**Dewpoint Control - once** On the first occasion that the target Dewpoint Level is achieved, the purge cycle will automatically stop and the NEPS will be set in "standby" mode. Whilst this cycle will not have competly purged the equipment of moisture, it does require a positive action by the operator to continue, thus providing a measure of conservation of the supply gas.



**Dewpoint Control - stat.** This program is only viable if the Dewpoint Sensor is fitted remote from the NEPS 1000, directly into a 'purge port' in the equipment being purged (see below).

With the 'stat' program selected, an extra level of control - by the DP sensor - is added. On the first occasion that the target Dewpoint Level is achieved the purge cycle is 'suspended' (see menu 3 - Stat Range) whilst leaving the exhaust port open so the gas in the system continues to 'liberate' moisture which is carried off by the exhausting gas. When the DP sensor detects the preset Stat Range value, the purge cycle will be re-activated. This process will continue until stopped by the operator, but with the ever decreasing level of moisture, the duration of the 'cycle suspensions' will increase thus providing a significant conservation of the supply gas.



**NEPS 1000 with REMOTE SENSOR**