

# TAKING DATA ON A MACHINE

## USING THE ANALYZER

1. When at machine to acquire vibration data on, turn on the Analyzer.
2. Press the **Utilities** button.
3. Choose 'SELECT ROUTE' and Press **Enter**.

### UTILITY FUNCTIONS

```
(1) COMMUNICATIONS  
(2) SELECT ROUTE  
(3) CHANGE SETUP  
(4) MASTER RESET  
(5) CHECK BATTERY  
(6) SPECIAL FUNCTNS  
(7) MEMORY CARD
```

4. Use the up ↑ and down ↓ buttons to scroll to the route that you want is highlighted.

### SELECT ROUTE

```
LOCAL ROUTE  
ABS-PURIFIERS ENGINE ROO  
ABS-THRUSTR RM PROP. THRU  
ABS-COMPRESSOR ENGINE ROO
```

5. Press **Enter** to go into the Route.
6. Press **Reset** button to go to the machine data collection screen.
7. Scroll to machine that you want to acquire data by using the left ← and right ⇒ buttons. Once at machine, press **Enter** button to enter Ultrasound (UT) data.

```
PNT# 1 } LUBESEP#1 -UT1  
LUBE OIL SEPARATOR - #1  
UT - OUTER MOTOR BRG. - RADIAL
```

**ENTER SPEED IN RPM:**

RPM = 1750.

[MEAS POINT SPEED]

8. When the above screen appears, verify the correct RPM is shown. If not correct, enter the correct RPM using the Numerical Keypad on the Analyzer.
9. Press **Enter** button.

```
PNT# 1 } LUBESEP#1 -UT1  
... LUBE OIL SEPARATOR - #1  
.....
```

TYPE IN A DATA VALUE

DB =

10. Obtain Ultrasound (UT) decibel numerical value from UT Meter's LED Screen and enter value by using the numerical keypad on the Analyzer.
11. Press **Enter** to accept the value
12. Press the up ↑ button to move to the next Ultrasound (UT) point and repeat steps #10 & #11 until all the UT points have been entered into the Analyzer.

## TAKING DATA ON A MACHINE (CONT).

```
PNT# 5 } LUBESEP#1 -H01
LUBE OIL SEPARATOR - #1
OUTER MOTOR BRG. - HORZ.

ENTER SPEED IN RPM:
RPM = 1750.
[MEAS POINT SPEED]
```

13. The above screen shows you're at the first vibration data measurement point (MPT).
14. Press **Enter** button.
15. Verify the RPM (see step #8 & #9). Key in any change that needs to be made to the RPM with the numerical keypad on the Analyzer.

```
WARNING

ACCELEROMETER IS NOT
CONNECTED PROPERLY
OR IS NOT WORKING.

CONTINUE THIS DATA
COLLECTION? NO
```

16. If the above screen appears, check to make sure that the accelerometer is connected securely/correctly to the cable and the cable is connected properly to the Analyzer.
17. Press **Enter** button. (Repeat steps #13 - #15).
18. If the above screen did not appear, skip #16 & #17 and go directly to step #19.

```
PNT# 1 } CALEXCITER-P01
CALIBRATION EXCITER
MOUNT ACCEL. TO B&K EXCITER
0.5340 IN/SEC
PEAK DIG
STATUS= OK

91% MEM FREE           BW=25.2XRPM DATA=TSW
```

19. Once the Analyzer has finished taking the date for this measurement point (MPT), you will see the above screen.
20. Press the up  $\uparrow$  arrow button to continue to the next point.
21. Repeat steps #4 - #15 & #19 - #20 until all the data on each machine (vibration and ultrasound) in each of the routes has been acquired.