



## ROUTE 3000 SERIES INSTRUMENTATION CHEAT SHEET

**Weighing properties\***(span vales, decimal place, units etc.)

SPAN-'Channel'-SETP-ENTER

\*example\*

SPAN 1 SETP ENTER. To access channel 1 weighing setpoints.

Zero Counts, Span Counts and Scale Mass are important to record after calibration.

EngDec is the engineering decimal or decimal point, EngUnit is the unit that you want to use ie tons, kg.

### ZERO Calibration

ZERO- 'Channel Number' - ENTER ( with key in cal)

### SPAN CALIBRATION

SPAN - 'Channel' - = \*\*\* - ENTER. (Key in cal)

**ADJUST 4ma OUPUT** (analog retransmission to P.L.C.)

TEST-7-ZERO-ENTER

**ADJUST 20ma OUPUT** (analog retransmission to P.L.C.)

TEST-7-SPAN-ENTER

**TEST DIGITAL INPUTS** (tachometers for beltweighers, binary signals such as input buttons, start, stop etc.)

TEST-9-ENTER

**TEST DIGITAL OUPUTS** (change state in relay ie. Open or closed)

TEST-8-ENTER

TURN KEY TO CAL

ENTER TO CHANGE OUTPUT FROM OFF TO ON

NEXT AND PREVIOUS TO SELECT OUTPUT

### SCREEN TEST

TEST-5-ENTER

**TEST ANALOG INPUT** (Raw value given by loadcells, 0 – 20000 counts, 65 000 counts is a small negative)

TEST-1-ENTER

### REAL TIME CLOCK

TEST-2-ENTER

### MODBUS REGISTERS

TEST-3-ENTER