

## 14 Specification

The commercial specification of the unit is given below.

Display Range:	80 to 120dB
Acquisition Range:	Typically 75 to 135dB
Weighting:	'A' and 'C'
Accuracy (elec):	Typically Type 1 of IEC 804 and 651
Accuracy (acoustic):	Type 2 when fitted with an MK202A capsule
Functions:	Leq and Sound level (coded SPL)
Indicators:	Red (LOW BAT) Green (STOP) YELLOW (O/L)
Batteries:	2 off 6F22 9 volt batteries
Battery Life:	16 hours intermittent use
Dimensions:	267 x 74 x 25 mm
Weight:	460 gms including batteries

## 15 Other Cirrus Units

Cirrus Research plc also manufacture a range of precision and industrial Sound level Meters fully meeting all classes and standards up to and including Type 1. Also, some instruments have facilities for measuring vibration, Leq Dose, Speed etc. Also available is the Automatic Factory Warning Sign, the CRL 301HS, which gives permanent monitoring of the ambient Noise levels 24 hours a day, 365 days a year.

A very large range of computer based data acquisition Sound Level Meters (data loggers) are made by Cirrus Research plc. Computers supported are only MS-DOS based units, the IBM compatibles. In addition a range of Audiometers for routine screening and clinical work are designed and manufactured by ALFRED PETERS plc., to various International Standards including IEC 645.

Our associated company, Pulsar Instruments also produce specialised software in the vibration and acoustics field to measure, control and quantify the signals. Both PULSAR Instruments and ALFRED PETERS are in the Scientific Measurements Group, as are Cirrus Research plc.