

# EPOCH

## ELECTRONIC HELICOPTER WEIGHING KIT



### INTRODUCTION

Epoch **Electronic Helicopter Weighing Kit** is designed primarily to cater the accurate weighing needs of Helicopter and aerospace vehicles, but can be used for other precision weighing application as well as for the calibration of force generating machines. These kits are factory calibrated. Apart from this, test certificate from Government agencies like **M/s. C.P.R.I** or **M/s. IISc** will be provided.

Epoch combines state-of-the-art electronic and mechanical design features to provide the highest quality weigh measurement. Weighing kits are microprocessor based and are more accurate. The capacity, resolution and decimal point are user programmable.

It is recommended that the kit will be returned to the factory for routine calibration every 12 months or sooner if trouble is observed or erroneous readings are suspected. Cables to the indicator mounted in the case where the weight, in kilograms, is read directly on digital display.

The load imposed on a load Cell produces a signal in the cell directly proportional to the load. The signal is transmitted through connecting the connector to the display unit.

### DESCRIPTION

The Kit contains necessary equipment for weighing Helicopter with the exception of specialized jacks and power source. The kit can be operated with built in battery and it can be charged by 9V DC adapter. The portable kit to house necessary equipment for weighing are provided.

The Kit contains three digital readouts one for each channel. In this case, the electronic weigh portable indicator, three load cells fitted with jack adapters one for each channel, three Load Cell Cables, three 9 V DC Adaptors and three Steel Balls are readily removable from their particular spaces provided in the case for weighing operation.

### DIGITAL INDICATORS

The indicator is accessible for maintenance and easily removable from the case. All circuits are composed of the finest components available in the market. This circuitry is contained in an RFI shielded, dustproof box to protect the instrumentation from possible adverse environment encountered during the operation of the kit. The indicators are compact portable weight indicators. It is having built in battery, membrane keypad for calibration.

### LOAD CELLS

The kit contains three hermitically sealed strain gauge load cells. These cells are precision devices and will withstand 150% overload without damage. Dropping the cell, however, could damage either the electrical connector or the diaphragm disabling the cell or affecting its accuracy. Although the cells provided with each kit appear identical, they are not interchangeable; each must be connected to the kit observing the color coding. The load cells have a bottom adapter. The top surface will have 16.0 mm radius concave surface to receive either the spherical surface of adapter or the Helicopter jack pad directly.

### CABLES

The three 5 mtrs. Load Cell cables are provided with connectors on both sides for easy fixing and stored in the case when not in use.

### DC ADAPTERS

The three 9V DC adapters are provided for charging the portable indicators. These adapters can be stored in the case when not in use.

### JACK ADAPTERS

For the purpose of mounting the cells under varying physical arrangements, several adaptors are provided on request.

*Please Communicate to :*

# **EPOCH**

## **Instruments & Controls Pvt. Ltd.**

**Office** : MIG 132, 2<sup>nd</sup> Stage, 80 Feet Road, K.H.B. Colony, Basaveshwaranagar, Bangalore – 560 079.

☎ : 080 – 2348 1364, 6576 1259. 📠 : 080 – 2328 3728. E-mail : epochic@dataone.in

**Factory** : No.16, Bhadrappa Estate, 54, Magadi Main Road, Kamakshipalya, Bangalore – 560 079.

☎ : 080 – 2328 7998, E-mail : epochinstruments@yahoo.com.

**Branch** : 409, Kemp Plaza, B-Wing, Opp. Mind Space, Chincholi Bunder, Malad (West), Mumbai – 400 064.

☎ : 022 – 4003 0704, 4003 0705, 4003 0706. 📠 : 022 – 4003 0707. E-mail : synapsis@vsnl.com.