

Portable Programming Unit

139PPU

INTRODUCTION

139-PPU is a hand-held Portable Programming Unit (PPU) for programming / calibration of the Servo Gauge 139 through an infra-red link. It is a certified Intrinsically-safe apparatus for use in Gr. IIA, IIB Hazardous areas and belongs to category 'ia' with temperature class T6 as per IS/IEC 60079-11: 2006

The PPU works on a 9-volt rechargeable battery. Use of an infrared link provides a high degree of noise immunity in communication with Servo Gauge. The PPU works in two modes - Programme mode & Command mode. A single key toggles the display and key-pad between two modes.

In Command Mode, PPU can be used to calibrate the Servo Gauge or can put in in various measurement modes like level, density, interface level etc. In Program mode it can program Alarms, Displacer Volume, Motor/Encoder Factor etc. Calibration & Programming is under password protection.

FEATURES

- ▶ Microprocessor based hand-held Unit
- ▶ Rechargeable battery
- ▶ Auto Power-off facility
- ▶ 16 character dot-matrix LCD Display
- ▶ Dedicated keys for user friendly operation
- ▶ Noise immune infra-red communication
- ▶ Password protection for important functions
- ▶ Certified Intrinsically-safe for use in Hazardous area

CONSTRUCTION

The light-weight enclosure of PPU comprises a CPU card, a Mod-Demod card, a moulded Battery pack and a membrane type keyboard with 28 keys. PPU is fitted with two round shell connectors at the top for connecting to Servo Gauge and Battery charger.

STANDARD ACCESSORIES

- ▶ Battery Charger - 1No.
- ▶ PPU to Servo Gauge Cable Assembly - 1 No.
- ▶ Carrying Case for PPU - 1 No.



SPECIFICATIONS

- ▶ Battery: 9 Volts, 100mAH, Ni-Cd rechargeable
- ▶ Continuous Operation time: more than 2 hours
- ▶ Charging time for full charge: 14 hours approx.
- ▶ Communication with Servo Gauge: Via Infra-red link
- ▶ Display: 1/4", 16 character dot-matrix LCD
- ▶ Ambient Operating Temperature: -10 to + 50 Deg.C
- ▶ Humidity: 90% RH, non-condensing
- ▶ Weight: 750 gms.

FUNCTIONS

- ▶ Command Servo Gauge for Parameter Measurements
- ▶ Calibration of Servo Gauge
- ▶ Programming of Alarm Values
- ▶ Encoder & Motor Factor programming
- ▶ Displacer Volume programming
- ▶ Trouble-Shooting of Servo Gauge

ORDERING CODE

139 - PPU



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