

PORTABLE PROGRAMMING UNIT, 139-PPU

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 areas

INTRODUCTION

139-PPU is a hand held portable programming unit (PPU) for programming / calibration of the servo gauge. It communicates with the servo gauge 139 through an infra-red link.

139-PPU is a certified intrinsically safe apparatus for use in hazardous areas Gr. IIA, IIB and belongs to category 'ia' with temperature class T6 as per IS:5780-1980.

The PPU works on a 9 volts, rechargeable battery. Use of an infra-red link provides a high degree of noise immunity in communication with the servo gauge. The PPU works in two modes viz. program mode and command mode. A single key toggles the display and keypad between the two modes.

In command mode PPU can be used to calibrate the servo gauge or can put it in various measurement modes like level, density, interface level etc. In program mode it can program alarms, displacer volume, motor / encoder factors etc. Calibration & programming of parameters is under password protection.

The PPU can also be used for troubleshooting the encoder of Smart Tank Data Transmitter (STDT) under the program mode. A special cable for connecting PPU to STDT encoder is available as an optional accessory.

CONSTRUCTION

The light weight enclosure of PPU comprises a CPU card, a Mod-Demod card, a moulded battery pack, and a membrane type keypad with 28 keys. PPU is fitted with two round shell connectors at the top for connecting to servo gauge and battery charger. The D-25 connector for interfacing STDT encoder is fitted on left side of enclosure.



SPECIFICATIONS

- Battery
9 volts, 100 mAh, Ni -Cd rechargeable
- Continuous operation time
3 2 hours
- Charging time for full charge
3 14 hours
- Communication with servo gauge
Via infra-red link .
- Display
1/4", 16 character dot-matrix LCD display
- Operating Temperature
-10 °C to + 60 °C
- Humidity
90 % RH non-condensing
- Weight
750 gms

STD. ACCESSORIES

- Battery charger - 1 no.
- PPU to servo gauge cable assembly - 1 no.
- Carrying Case for PPU - 1 no.

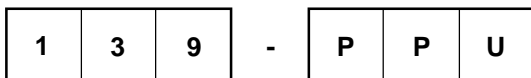
OPTIONAL ACCESSORIES

- PPU to STDT encoder cable assembly.

FUNCTIONS

- Command servo gauge for various parameter measurement.
- Calibration of servo gauge.
- Programming of alarm values.
- Encoder and motor factor programming.
- Displacer volume programming.
- Troubleshooting of servo gauge.
- Troubleshooting of Smart Tank Data Transmitter encoder.

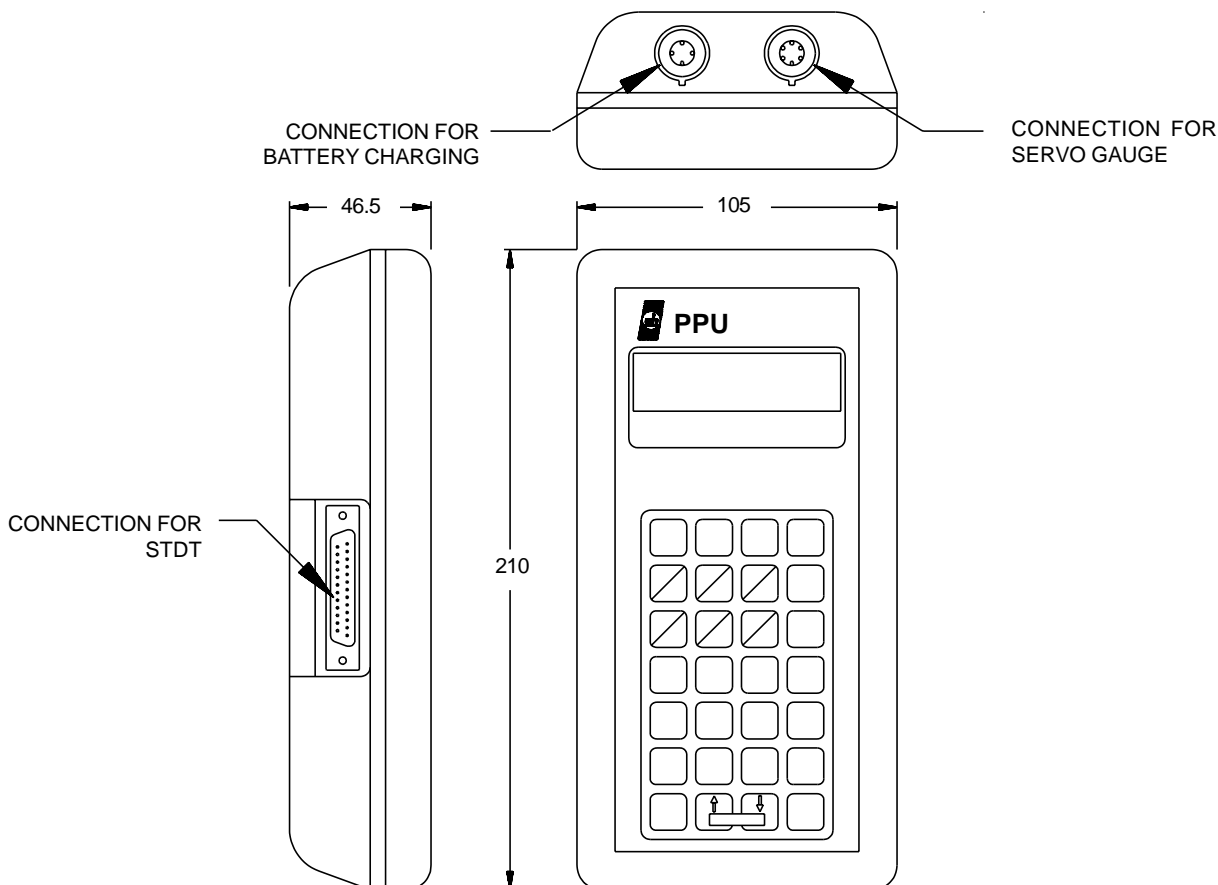
ORDERING CODE



CERTIFICATE

139-PPU is a certified intrinsically safe apparatus vide Central Mining Research Institute (CMRI), Dhanbad report no. CMRI/TC/318 dated 02/07/97 for Gr. IIA, IIB and belongs to category 'ia' with temperature class T6 as per IS:5780-1980.

DIMENSIONS



*** Continuous development may necessitate changes without notice.

LF-139-0806 R 2

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