

INDUMART Canada Continuous Strip Chart Recorder

SERIES: APR100



- > 1 OR 2 CONTINUOUS TRACE CHANNEL(S)
- > 100 mm OR 150 mm PAPER WIDTH
- > 0.5% ACCURACY
- > VARIETY OF SELECTABLE CHART SPEEDS
- > SENSOR FAILURE SAFETY CHECKING
- > UP TO 4 OUTPUT RELAYS (OPTION)
- > AUXILIARY POWER SUPPLY (OPTION)
- > SQUARE ROOT EXTRACTION (OPTION)

INTRODUCTION

Indumart *APR100 Series* Continuous Strip Chart Recorders are standard DIN size 144 x 144 mm or 144 x 192 mm instruments which come as one-pen or two-pen analogue input recorders. The standard depth of the unit is only 200 mm, ideal for control panel mounting.

The inputs are independent from each other and are configured individually, but recorded simultaneously.

Input(s) to APR100 Series recorders can be thermocouple, RTD, potentiometer, millivolt DC, volt DC and mAcurrent signals. They are factory configured to customer's requirements, but chart speed and alarm setpoints can be adjusted by the operator, as well as, zero and span positions of the pens.

Optionally, up to four alarm relays, auxiliary power supply and square-root extraction can be added to *APR100 Series* chart recorders.

SPECIFICATIONS

INPUTS

T/C Type K -200 to 1200°C min. range 100°C -200 to 800°C T/C Type J min. range 100°C T/C Type T 0 to 400°C min. range 100°C T/C Type S 0 to 1770°C min. range 100°C **Pt-100 RTD** -100 to 850°C min. range 25°C DC Voltage 0 to 5 V: 5 to 460 V with divider 0 to 20 or 4 to 20 mA on 250 Ω shunt **DC Current**

Potentiometer 7.3 to 363 Ω No. of Input 1 or 2 continuous

GENERAL

Case

Accuracy input-to-paper 0.5% of span **Power Supply** 115 or 230 VAC; 50/60 Hz 12, 24 or 48 VDC (option)

Power Consumption 18 VA

Pen Type Disposable felt type

> 1st channel: red 2nd channel: blue

Response Time <1.2 sec. at 95% of scale 15, 20, 40, 60, 120, 200, **Chart Speed**

> 400, 600 and 1200 mm/h; Speeds of , or 2 times of the above can also be selected

Chart Type 16m roll / fanfold, 8m fanfold

Chart Width 100 or 150 mm

Aux. Power Supply $24 \pm 5\% \text{ VDC } @ 70 \text{ mA}$ **Sensor Failure** Pointer to top or end of scale **Noise Rejection** Common mode: > 120 db

Serial mode: > 40 db Metallic with hinged door

Front Panel Sealing IP-54 on front panel **Ambient Conditions** 0...+55°C; 5% to 85% RH **Panel Size** 144 x 144 mm or 144 x 192 mm

Panel Cutout 138 x 138 mm or 138 x 186 mm Weight 3.3 kg for 144 mm width

3.9 kg for 192 mm width





