



Technical Catalogue

MANUAL LOADERS – Model 882/882U

Introduction

Pantech Instrument's MANUAL LOADERS are an important source of standard mA / V signals. The instrument generates a 0-20 or 4-20 mA signal output /// 0-10 V DC signal output in its standard range. The user is allowed to vary this output signal with the help of front fascia knob or UP/DOWN keys. A simultaneous indication to the extent of 3.5 digit / 4 digit of instantaneous display is also provided which duly corresponds to the output signal. Model 882 allows the user to have display to the extent of 3.5 digit with a predefined type display range. Whereas Model 882U allows the user to configure display to the extent of 4 digit by front keys.

The modules incorporate low drift operational amplifiers and industrial grade components. Burn in of each module ensures a long trouble free operation.

Specifications

Output

Current - 0-20 mA DC / 4-20 mA DC / others
Voltage – 0-10 V DC / others
Specials on factory confirmations

Output load

800 ohms minimum for current outputs

Output variation

882-Front fascia multiturn potentiometer
882U-UP / DOWN keys

Display resolution / range

882 : 3.5 digit and predefined type
882U : 4 digit and configurable type

Display accuracy

+/- 0.1% of span

Power supply

230 V AC
110 V AC
24 V DC (22.5 to 28.0 V DC)
Specials

Power consumption

4VA max.

Ambient temperature

0 – 50 C.

Storage temperature

0 – 70 C.

Humidity

90% RH (non-condensing)

Enclosures

Weatherproof, Flameproof and all other standard types

Mounting

Panel / Wall / Field / Dinrail / Eurocard

Dimensions

96*96 / 96*48 / 72*72 / 72*144 / SPECIALS

Ordering Information

Please confirm the availability of the model by cross checking the table mentioned on the backside.

Basic Model No. (Specified by first 3 digits)

882- Analogue type Manual Loader
882U- Microprocessor based model

Output (Specified by first digit following the letter)

1-current outputs
2-voltage outputs
S-SPECIALS

Mounting (Specified by letter following 3 digits)

P-Weatherproof - Panel
W-Weatherproof - Wall
F-Flameproof - Wall / field
I-IP65 grade – wall / field
S-Specials

Power (Specified by the third digit)

1-24 V DC
2-110 V AC
3-230 V AC
4-90-270 V AC - SMPS
S- SPECIALS



(96*96 – Model 882)



(Model 882U – Panel Mount)



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Ordering Information

Please confirm the availability of the model by cross checking the above section.

Basic Model No. (Specified by first 3 digits)

A881 -Auto Manual Controller

Mounting (Specified by letter following 3 digits)

P-Weatherproof - Panel
W-Weatherproof - Wall
F-Flameproof - Wall / field
I-IP65 grade – wall / field
S-Specials

Display / No. of channels option (next digit)

1-Single (for A/M action)
2-Dual display (One for
PV, another for A/M action)

Power (Specified by the next digit)

1-24 V DC
2-110 V AC
3-230 V AC

S-SPECIALS

Attach A.M diagram
Attach A.M theory from the manual

Auxiliary output on PV channel (Specified by the next digit)

0-None
1-1 nos. isolated output
S-Specials
Additional output on A/M channel
(Other output signals then the default A/M signal)
0-None
S-Special signal outputs

Contact outputs (specified by next digit)

0-None
1-A/M Fail (Instrument fail)
2-Auto Fail (Auto <> Manual)
3-Both of the above types
S-Specials
PV = On going another process value signal



PANTECH INSTRUMENTS

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