

Features

- » Sealed case front
- » Clear bright LED digits allow easy reading from up to 25 feet
- » Customised scaling allows OEM logo and engineering units
- » Advanced and rugged design allows simple installation and use
- » cUL approved File No. E203000
- » IP66 (front of panel using optional gasket)

Made in the UK



Applications

- Genset panels
- Food industry equipment
- Process monitor systems
- Test equipment
- Control panels
- Dirty environments.

Introduction

The 262 series are a range of digital panel meters. These meters are versatile in their measuring range which includes A.C. and D.C. current/voltage. Some versions allow display blanking and hold.

The meter front is totally sealed and when panel mounted with an optional gasket is hose proof to IP66, allowing washing and use in wet areas, e.g. food industry, quarries, portable test gear. Other parameters, e.g. Watts, VAR, VA, PF, temperature etc. may be

measured using an additional transducer from our transducer range.

Panel mounting is quick, with two corner clamps tensioned by thumb screws or alternatively by a quick-fix ratchet.

Other than the frequency versions, these instruments can be powered by a variety of A.C. or D.C. supplies. Care has been taken to provide isolation from the measured input signal.

Product Code

D.C. Current
A.C. Current
Transducer Input
D.C. Voltage
A.C. Voltage
Tachometer Input
Line Frequency

3 1/2 Digits

262-DDA
262-DOB
262-DDT
262-DDV
262-DDW
262-DD2

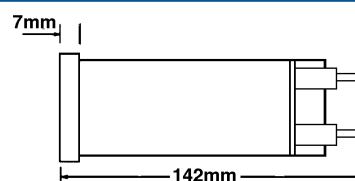
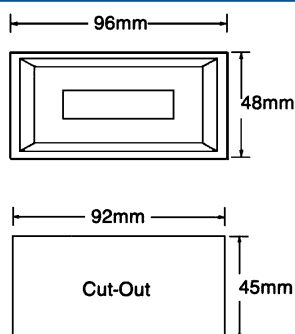
4 Digits

262-DGA
262-DGB
262-DGT
262-DGV
262-DGW
262-DG2
262-DGH

Specify at time of order: 1.input 2.display 3.caption 4.auxiliary power supply

SEE 2ND PAGE FOR SELECTION

Panel Cut-out



For digital indicators with setpoints,
analogue output and Modbus see
262-30 Digital Meter Relays

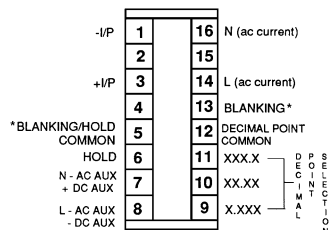


Specification

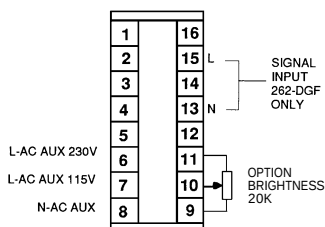
Connection Diagrams

262-DG

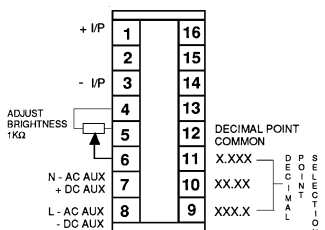
* Blanking hold common is not isolated from the input. Therefore separate contact must be used for individual isolation.



262-DGH



262-DDA/B/T/V/W



	262-DD RANGE Current & Voltage	262-DG RANGE Current & Voltage	262-DGH Line Frequency Self Powered
Input Signal (Specify)			
D.C. Voltage	10mV to 600V bipolar	200.0mV to 600V	
D.C. Current	19.99µA to 1.999A bipolar	1mA to 1A bipolar	
A.C. Voltage	199.9V to 600V A.C.	10-600V A.C.	115/230
A.C. Current	1 A - 10 A A.C.	1 A - 10 A A.C.	415 & 480V A.C. ±15%
Shunt	50, 60, 75 or 150mV at shunt accuracy	50, 60, 75 or 150mV at shunt accuracy	N/A
Transducer:	1, 5, 10, 20mA, 4 to 20mA	1, 5, 10, 20mA, 4 to 20mA	N/A
Frequency:	N/A	N/A	35.00 to 99.99Hz or 35.0 to 999.9Hz
Signal Conditions	10k Ω /Volt D.C., 1k ohm/Volt A.C.	1MΩ D.C. 1k Ω / Volt A.C.	
Burden Input:	-	-	3VA at 50Hz
Conversion:	Average Sensing A.C. RMS calibrated	Average Sensing A.C. RMS calibrated	Average Sensing A.C. RMS calibrated
Overload Protection:	Range x 1.2 continuous. Voltage x 1.5 for 10 secs Current x 10 for 3 secs	Range x 1.2 continuous. Voltage x 1.5 for 10 secs Current x 10 for 3 secs	1.2 x continuous 1.5 x for 10 seconds
Test Voltage:	2kV rms @ 50Hz for 1 minute input/ auxiliary/case	2kV rms @ 50Hz for 1 minute input/ auxiliary/case	2kV rms @ 50Hz for 1 minute input/ auxiliary/case
Accuracy at 23°C ±5°C			
D.C.:	±0.1% of reading ±1 count	±0.1% of reading ±1 count	±0.2% of reading ± 2 counts
A.C.:	±0.2% of reading ±2 counts	±0.2% of reading ±2 counts	±0.2% of reading ± 2 counts
Resolution:	0.05%	0.01%	1 count
Power Supply		120, 240, 380, 480 V ac SPECIFY ONE ONLY and confirm Frequency, either 50 or 60 Hz (ONE ONLY)	N/A
A.C. Voltage	100-250 Volts ac & DC(entire range) CODE A5 in part #	120, 240, 380, 480 V Ac for 400 Hz (SPECIFY ONE ONLY)	No D.C. auxiliary available
D.C. Voltage	12-48 Volts DC(entire range) CODE A2 in part #	12 Volts DC (CODE MU in part #)	
	100-250 Volts ac & DC(entire range) CODE A5 in part #	24 Volts DC (CODE BD in part #)	
	Tolerance +/- 20%	Tolerance +/- 20%	
Display Digits:	1999 full scale	9999 full scale	9999 full scale
Display Size:	0.56", 14.2mm - 7 segment, red	0.56", 14.2mm - 7 segment, red	0.56", 14.2mm - 7 segment, red
Decimal Point:	External selection	External selection	Internal Selection
Update:	1 second, (optional up- date rates on application)	0.4 seconds, optional 0.4 to 6 seconds	2 seconds
Over range:	3 R/H digits blank when 1999 is exceeded	Display blanks	Display blanks (digits only)
Hold:	-	-	Non isolated display hold facility available
Weight:	0.4kg Ammeters 0.35kg Voltmeters	0.4kg Ammeters 0.35kg Voltmeters	0.25kg

Information applicable to all

Environmental Operating:	0° to 60°C (32° to 140°F)	Burden Auxiliary:	3VA @ 50Hz
Storage:	-20° to +70°C (-40° to 158°F)	DIN Case Housing	
Coefficient:	±0.015% per °C	Enclosure:	Totally sealed case front. IP66, NEMA 4.
Zero stability:	±1 digit, 0° to 60°C (32 to 140°F)	Material:	Flame retardant polycarbonate, UL94-V2
Humidity:	90% RH non-condensing	Terminals:	Barrier type screw clamp - M3.5 (terminal cover provided)
Warm-up:	1 minute		
Recalibration:	1 year		
Shock:	30g in 3 planes		

262 Series LED Digital Indicators

A.C. Current, Voltage and Frequency

A.C. Current - Accuracy $\pm 0.2\%$, ± 2 Counts

Input	3 1/2 Digit Catalogue No.	4 Digit Catalogue No.
5A	• 262-DDBU-LS**-C6-A5 A5=AUXILIARY 100-250 V AC/DC FOR 5 A AC **, SEE PAGE 5 FOR PART NUMBERS	• 262-DGBU-LS**-C6-IPQ PQ=AUXILIARY 120 V AC

A.C. Voltage Accuracy $\pm 0.2\%$ ± 2 Counts at $>20\%$ F.S.

Input	3 1/2 Digit Catalogue No.	4 Digit Catalogue No.
100V	• 262-DDWU-PKPK-C6-A5	• 262-DGWU-PKPK-C6-IPQ
150V	• 262-DDWU-PZ**-C6-A5	• 262-DGWU-PZ**-C6-IPQ
200V	• 262-DDWU-RLRL-C6-A5	• 262-DGWU-RLRL-C6-IPQ
250V	• 262-DDWU-RSRS-C6-A5	• 262-DGWU-RSRS-C6-IPQ
300V	• 262-DDWU-RXR-C6-A5	• 262-DGWU-RXR-C6-IPQ
500V	• 262-DDWU-SFSF-C6-A5	• 262-DGWU-SFSF-C6-IPQ
600V	• 262-DDWU-SJSJ-C6-A5 A5=AUXILIARY 100-250 V AC/DC FOR 150V, **, SEE ATTACHED PAGE 5 FOR PART NUMBERS	• 262-DGWU-SJSJ-C6-IPQ PQ=AUXILIARY 120 V AC

A.C. Frequency Self Powered 4 Digit

Input	Range	Catalogue No.
MULTI-TAP	35-99.99Hz	• 262-DGHU-B5AU-AU-28
120,240	35-999.99Hz	• 262-DGHU-B5AU-AV-28

262 Series LED Digital Indicators

D.C. Current and Voltage

D.C. Current Accuracy $\pm 0.1\%$ ± 1 Count

Input	3 1/2 Digit Catalogue No.	4 Digit Catalogue No.
1mA	• 262-DDAU-FA**-A5	• 262-DGAU-FA**-PQ
2mA	• 262-DDAU-FG**-A5	• 262-DGAU-FG**-PQ
5mA	• 262-DDAU-FX**-A5	• 262-DGAU-FX**-PQ
10mA	• 262-DDAU-GZ**-A5	• 262-DGAU-GZ**-PQ
20mA	• 262-DDAU-HF**-A5	• 262-DGAU-HF**-PQ
200mA	• 262-DDAU-KA**-A5	• 262-DGAU-KA**-PQ
4-20mA	• 262-DDAU-HG**-A5	• 262-DGAU-HG**-PQ
1AMP	• 262-DDAU-LA**-A5	• 262-DGAU-LA**-PQ
50mV	• 262-DDAU-EC**-A5	• 262-DGAU-EC**-PQ
100mV	• 262-DDAU-GB**-A5	• 262-DGAU-GB**-PQ
A5=AUXILIARY 100-250 V AC/DC		PQ=AUXILIARY 120 V AC
**=STATE DISPLAY & CAPTION		**=STATE DISPLAY & CAPTION

D.C. Transducer Indicator - Accuracy $\pm 0.1\%$ ± 1 Count

Input	3 1/2 Digit Catalogue No.	4 Digit Catalogue No.
1mA	• 262-DDTU-FA**-A5	• 262-DGTU-FA**-PQ
20mA	• 262-DDTU-HF**-A5	• 262-DGTU-HF**-PQ
4-20MA	• 262-DDTU-HG**-A5	• 262-DGTU-HG**-PQ
A5=AUXILIARY 100-250 V AC/DC		PQ=AUXILIARY 120 V AC
**=STATE DISPLAY & CAPTION		**=STATE DISPLAY & CAPTION

D.C. Voltage $\pm 0.1\%$ ± 1 Count

Input	3 1/2 Digit Catalogue No.	4 Digit Catalogue No.
20mV	• 262-DDVU-HFHF-A5	• 262-DGVU-KA KA-PQ
200mV	• 262-DDVU-KAKA-A5	• 262-DGVU-LE LE-PQ
2V	• 262-DDVU-LELE-A5	• 262-DGVU-MT MT-PQ
10V	• 262-DDVU-MTMT-A5	• 262-DGVU-NG NG-PQ
20V	• 262-DDVU-NGNG-A5	• 262-DGVU-RL RL-PQ
200V	• 262-DDVU-RLRL-A5	• 262-DGVU-RS RS-PQ
250V	• 262-DDVU-RSRS-A5	• 262-DGVU-RX RX-PQ
300V	• 262-DDVU-RXRX-A5	• 262-DGVU-SF SF-PQ
500V	• 262-DDVU-SFSF-A5	• 262-DGVU-SJ SJ-PQ
600V	• 262-DDVU-SJSJ-A5	
A5=AUXILIARY 100-250 V AC/DC		PQ=AUXILIARY 120 V AC

Options

Neoprene panel mounting gasket
(CODE MG AT END OF P/N)
EG. 262-DDVU-MTMT-A5-MG

Switchboard mounting adaptor
(CODE KM AT END OF P/N)
EG. 262-DDVU-RXRX-A5-KM

• cUL approved

262 Series LED Digital Indicators**A.C. Current 3.5 DIGIT (MAX 1999)**

INPUT	DISPLAY	CAPTION	FREQ	AUXILIARY	PART NUMBER
0-5 AMPS AC	0-5.00	AC AMPERES	60 HZ	100-250 V AC/DC	262-DDBU-LSLS-C6-A5
0-5 AMPS AC	0-10.00	AC AMPERES	60 HZ	100-250 V AC/DC	262-DDBU-LSMT-C6-A5
0-5 AMPS AC	0-15.00	AC AMPERES	60 HZ	100-250 V AC/DC	262-DDBU-LSND-C6-A5
0-5 AMPS AC	0-19.99	AC AMPERES	60 HZ	100-250 V AC/DC	262-DDBU-LSNG-C6-A5
0-5 AMPS AC	0-25.0	AC AMPERES	60 HZ	100-250 V AC/DC	262-DDBU-LSNJ-C6-A5
0-5 AMPS AC	0-30.0	AC AMPERES	60 HZ	100-250 V AC/DC	262-DDBU-LSNL-C6-A5
0-5 AMPS AC	0-40.0	AC AMPERES	60 HZ	100-250 V AC/DC	262-DDBU-LSNP-C6-A5
0-5 AMPS AC	0-50.0	AC AMPERES	60 HZ	100-250 V AC/DC	262-DDBU-LSNT-C6-A5
0-5 AMPS AC	0-60.0	AC AMPERES	60 HZ	100-250 V AC/DC	262-DDBU-LSNW-C6-A5
0-5 AMPS AC	0-75.0	AC AMPERES	60 HZ	100-250 V AC/DC	262-DDBU-LSPB-C6-A5
0-5 AMPS AC	0-80.0	AC AMPERES	60 HZ	100-250 V AC/DC	262-DDBU-LSPD-C6-A5
0-5 AMPS AC	0-100.0	AC AMPERES	60 HZ	100-250 V AC/DC	262-DDBU-LSPK-C6-A5
0-5 AMPS AC	0-150.0	AC AMPERES	60 HZ	100-250 V AC/DC	262-DDBU-LSPZ-C6-A5
0-5 AMPS AC	0-200	AC AMPERES	60 HZ	100-250 V AC/DC	262-DDBU-LSRL-C6-A5
0-5 AMPS AC	0-250	AC AMPERES	60 HZ	100-250 V AC/DC	262-DDBU-LSRS-C6-A5
0-5 AMPS AC	0-300	AC AMPERES	60 HZ	100-250 V AC/DC	262-DDBU-LSRX-C6-A5
0-5 AMPS AC	0-400	AC AMPERES	60 HZ	100-250 V AC/DC	262-DDBU-LSSC-C6-A5
0-5 AMPS AC	0-500	AC AMPERES	60 HZ	100-250 V AC/DC	262-DDBU-LSSF-C6-A5
0-5 AMPS AC	0-600	AC AMPERES	60 HZ	100-250 V AC/DC	262-DDBU-LSSJ-C6-A5
0-5 AMPS AC	0-800	AC AMPERES	60 HZ	100-250 V AC/DC	262-DDBU-LSSN-C6-A5
0-5 AMPS AC	0-1000	AC AMPERES	60 HZ	100-250 V AC/DC	262-DDBU-LSSS-C6-A5
0-5 AMPS AC	0-1200	AC AMPERES	60 HZ	100-250 V AC/DC	262-DDBU-LSSU-C6-A5
0-5 AMPS AC	0-1500	AC AMPERES	60 HZ	100-250 V AC/DC	262-DDBU-LSTC-C6-A5
0-5 AMPS AC	0-1600	AC AMPERES	60 HZ	100-250 V AC/DC	262-DDBU-LSTE-C6-A5
0-5 AMPS AC	0-1999	AC AMPERES	60 HZ	100-250 V AC/DC	262-DDBU-LSTM-C6-A5

A.C. Voltage 3.5 DIGIT (MAX 1999)

INPUT	DISPLAY	CAPTION	FREQ	AUXILIARY	PART NUMBER
0-150 VOLTS AC	0-150.0	AC VOLTS	60 HZ	100-250 V AC/DC	262-DDWU-PZPZ-C6-A5
0-150 VOLTS AC	0-600	AC VOLTS	60 HZ	100-250 V AC/DC	262-DDWU-PZSJ-C6-A5
0-150 VOLTS AC	0-750	AC VOLTS	60 HZ	100-250 V AC/DC	262-DDWU-PZSM-C6-A5
0-150 VOLTS AC	0-18.00	AC KILOVOLTS	60 HZ	100-250 V AC/DC	262-DDWU-PZWD-C6-A5