

Ziegler

Redefine Innovative Metering

Technical Datasheet

ANUSH SERIES

ANALOG PANEL METERS

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Ziegler Anush Series Analog Panel Meters Provides accurate measurement of Electronic and Electrical AC& DC parameters as per the Industrial standard. The detachable lower fascia feature allow user to mount the meter either surface or window way. The Anush series comes in 2 sizes 1^{1/2}', 2^{1/2}' with a accuracy of 1.5%.

Product Features

- AC moving coil and moving iron mechanism.
- Reduced inventory.
- ANSI standard case sizes.
- Detachable lower fascia plate.
- Measuring AC and DC Amps, Volt and frequency.
- High torque pivot and jewel movement.



Specifications:

Application	
Accuracy	
DC Ammeters and Voltmeters	1.5% 0 to 100% of full scale deflection
AC Ammeters and Voltmeters	Moving Iron: 1.5% 10 to 100% of full scale deflection
Frequency Meters	0.5% of end scale value
Input Ratings	
DC Moving Coil Ammeters	50mA to 30A
DC Moving Coil Voltmeters	50mV to 600V
AC Moving Coil Ammeters(VQ)	1mA
AC Moving Iron Ammeters(EQ)	100mA to 60A* ¹
AC Moving Iron Ammeters (EQ)	6V to 600V* ¹
Burden	20 to 500V AC. Standard 900 ohms/volt
Frequency Meters	45-55-55Hz, 55-60-65Hz, 45-55-65Hz
Overload	
Voltmeters	2 times for 0.5 sec : 9 overloads, 2 times for 5 sec : 1 overload
Ammeters	10 times for 0.5 sec:9 overloads
DC Center Zero Voltmeter	10 times for 5 sec : 1 overload
Enclosure	
Movement	High torque pivot and jewel moving coil and moving iron
Scale Balance	Within 1% of scale length
Relative Humidity	25% to 80% nominal range of use
Operating Temperature	0° C to +40° C
Storage Temperature	20° C to +55° C
Enclosure Code	IP 42
Case and Cover	Matt black Case UL94V0 Polycarbonate Cover

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Bezel	Matt Black
Window	Shatter proof polycarbonate
Fixing	Surface mounting: 4 corner studs 4-40 UNC Rear of panel mounting: 2 through hole mounts
Terminals	011-8-32 UNC, 012-1/4"-28 UNC
Compliant With	
Performance	ANSI C 39.1 and IEC 60051
Manufacture	UL3111-1
Scaling	ANSI C39.1
Safety	IEC 61010-1 (LVD) and BS EN 61326:(EMC)
Vibration	ANSI C39.1 cl. 5.13

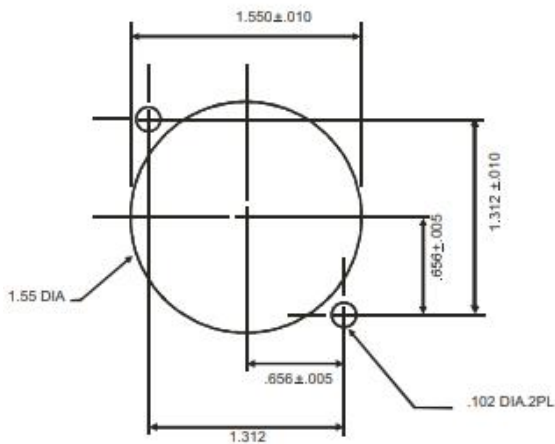
Applicable Standards	
Nominal case and cutout dimensions for indicating electrical instruments.	DIN 43700
Scale and pointer for electrical measuring instruments.	DIN 43802, IEC 60051
Connections and Terminal markings for panel meters	DIN 43807 IEC 60051
Terminal bolts / leads	DIN 46200/46282
Clamp straps for connections.	DIN 46282
Safety requirements and protective measures for Electrical indicating instruments and their accessories.	DIN 40050 / 8-70 VDE 0110 /11-72 VDE 0410 /10-76 IEC 60529, IEC 61010
Performance specifications for direct acting indicating analogue electrical measuring instruments & their accessories	IEC 60051/DIN EN 60051 DIN 43701
Environmental conditions	VDE / VDI 3540, IEC60051
Front frames for indicating measuring instruments principle dimensions.	DIN 43718
UL Compatibility Class	UL 94 V-0
Technical conditions of delivery for electrical instruments.	DIN 43701
Mechanical strength (Free fall test,vibration test)	VDE 0411, part I, Sec.43/44, IEC 61010 , IEC 60051
E M C compliance as per following standards	E N 50081-2,EN 50082- 2,N 55011/CISPR 11, EN 60555-2,IEC 555-2 EN 61000-4-4/IEC 1000- 4-4, EN 61000-4-2/IEC 1000-4-2, EN 61000-4- 5/IEC 1000-4-5,ENV 50140.
Comply with following European directives	2004/108 EC (EMC directive), 2006/95/EC (low voltage directive) , amendment 93/68/EEC , FOR CE marking

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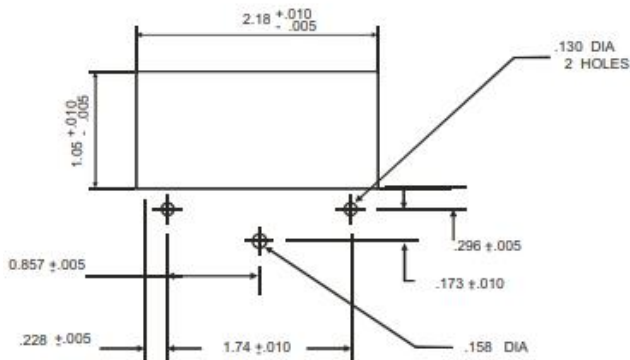
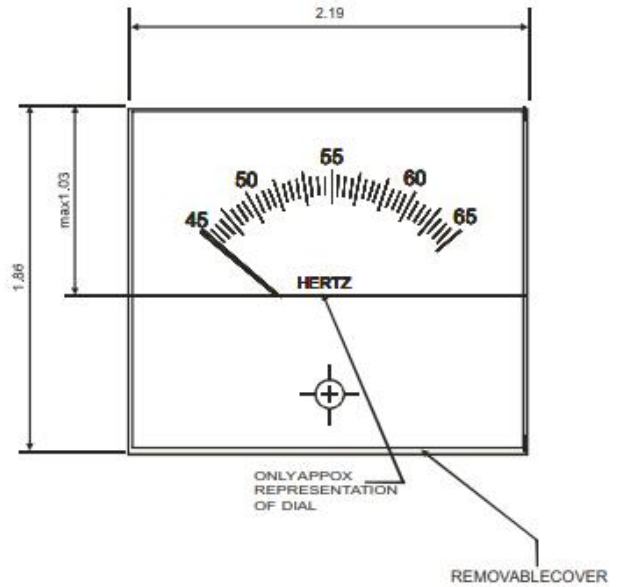
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Dimensions

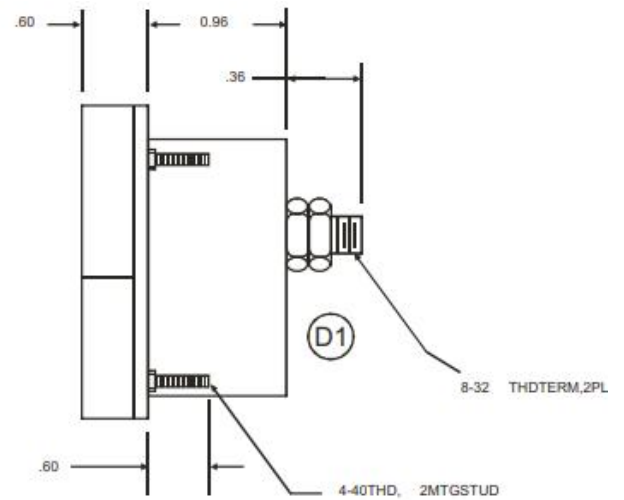
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FRONT PANEL CUTOUT



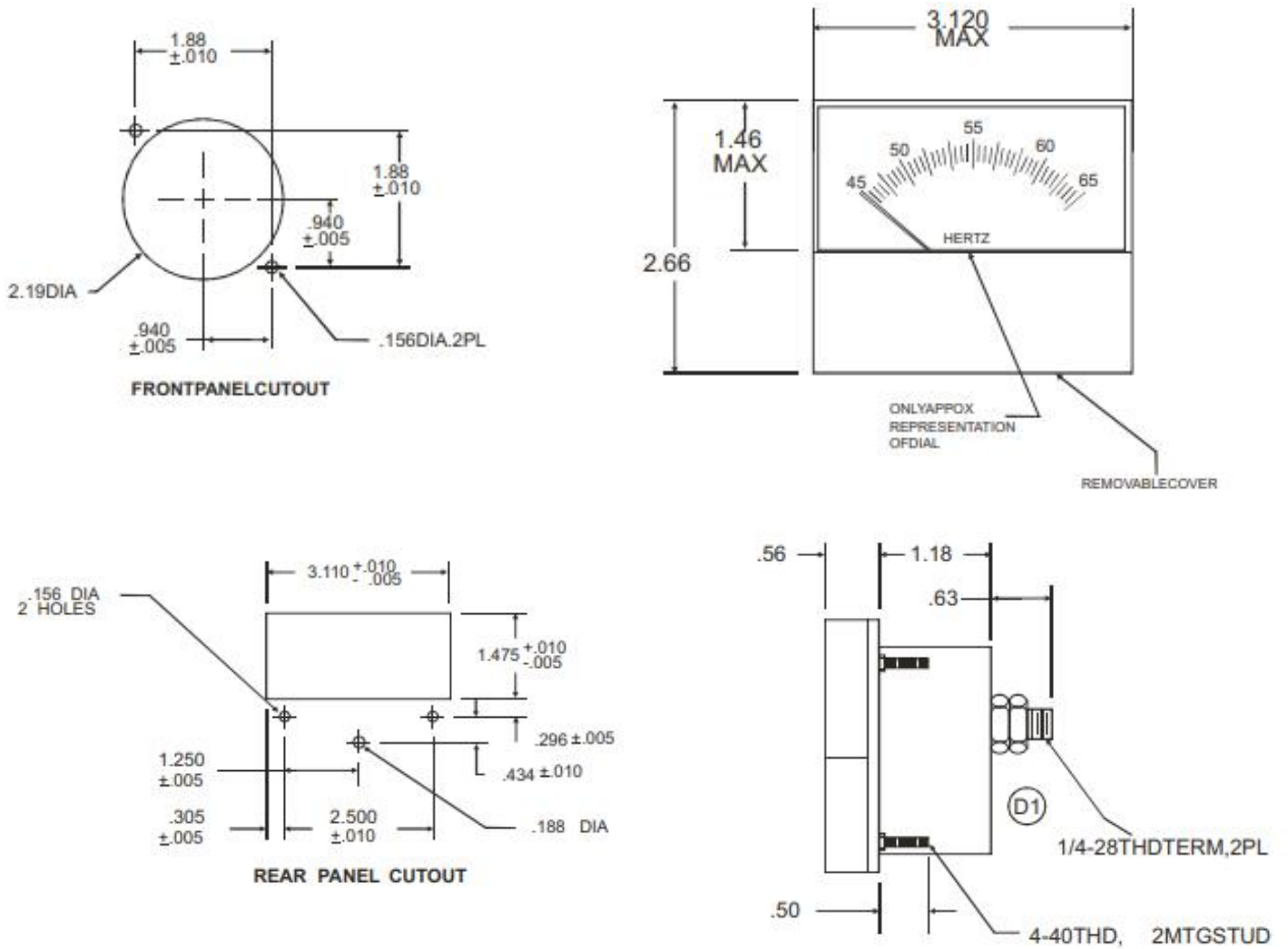
REAR PANEL CUTOUT



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B012



Ordering information

For Ordering the product please contact our of sales engineer.

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Ziegler Instrumentation UK Ltd.

Central Buildings, Woodland close old woods Trading Estate, Torquay Devon, TQ2 7BB, United Kingdom
+441803 616 800 | info@ziegler-instrument.com | ziegler-instrument.com