

MARINE ELECTRICAL INSTRUMENT

Marine Pitch Meter

Non-Electrical Meter includng: Temperature meter,presure meter,flowmeter,tachometer,angle meter,rudder angle meter etc. Marine Pitch Meter: Model of wide angle meter Model...

ISO9001 Supplier

Class Certificate

Export Supply



Key Highlights

|               |                                                                                   |
|---------------|-----------------------------------------------------------------------------------|
| Category      | Marine Electrical Instrument                                                      |
| Standard      | DIN                                                                               |
| Material      | Direction of mounting Vertical<br>Front size of instrument<br>Q/F96(96X96)mm,Q... |
| Weight / Size | The deflection angle of<br>51C4,51L4,51T4,51C6,51T6<br>Pointer needle is right... |
| Certificate   | CCS certificate.                                                                  |

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

| Technical Specifications |                                                                                                                                                                                                                                                                                                                                     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Category                 | Marine Electrical Instrument                                                                                                                                                                                                                                                                                                        | Model / SKU | Marine-Pitch-Meter                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Standard                 | DIN                                                                                                                                                                                                                                                                                                                                 | Material    | Direction of mounting Vertical<br>Front size of instrument<br>Q/F96(96X96)mm,Q/F72(72X72)mm<br>New 45 type (110X110)mm ,<br>New 63 type (80X80)mm<br>Meter overshoot When the pointer<br>needle reach 2/3 of ful scale,less<br>than 20%<br>Insulation,Voltage-endurance<br>electric circuit and shell<br>AC:2600V / 1 minute(water area)<br>Vibration resistance 24.5m/S2<br>Shock resistance 147m/S2<br>Meter material square type: |
| Weight / Size            | The deflection angle of<br>51C4,51L4,51T4,51C6,51T6<br>Pointer needle is right angle(90<br>degree),also can be extend to<br>wide angle(240 degree) deflection<br>angle.(need to confirm when you<br>place order) (96x96mm) Q/F 96<br>type wide angle meter,overall size<br>96x96mm, hole size<br>92x92mm,depth dimensions<br>108mm. | Certificate | CCS certificate.                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Warranty                 | 12 Months unless specified<br>otherwise                                                                                                                                                                                                                                                                                             | Origin      | China                                                                                                                                                                                                                                                                                                                                                                                                                                |

|          |                                                                                                           |                                                                                                                            |
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## China Marine Pitch Meter:

Non-Electrical Meter includng:

Temperature meter,presure meter,flowmeter,tachometer,angle meter,rudder angle meter etc.

Marine Pitch Meter:

|                           |                            |                 |        |
|---------------------------|----------------------------|-----------------|--------|
| Model of wide angle meter | Model of right angle meter | Measuring range | Remark |
|---------------------------|----------------------------|-----------------|--------|

|                                             |                                             |                                                                                   |                                                                                                                                      |
|---------------------------------------------|---------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| AH96-X<br>F96-X<br>Q96-X<br>51C5-X<br>LS-96 | AH96-X<br>F96-X<br>Q96-X<br>51C4-X<br>LS-96 | 0-1mA,0-5mA<br>0-20mA,1-5mA<br>4-20mA<br>0-1V,0-5V,0-1V,1-5V<br>0-10V,0-6V,0-7.5V | connect directly.<br><br>Working voltage of temperature meter is DC24V±20%.<br>Auxiliary output DC4~20mA<br>Matching impedance≤500 Ω |
|---------------------------------------------|---------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|

## Application Of Our Marine Meter:

Its structure is magnetic electric tension string supporting and pivot needle type structure.

Rotating part no friction,work reliable,high mechanical shock resistance.Vibration will be proceed under the condition of acceleration 0.7g. Due to the mobile part of ivot needle adopt spring bearing support which can reduce the shock and vibration, pivot needle and bearing consists of high hardness cobalt-tungsten and barklyite,vibration can be proceed under the condition of acceleration 0.7g.

Advanced converter line and Indicating device integration structure,the instrument is high accuracy and large angle.The meter have linear scale,and won't affect by the magnetic filed outside,all adopt printed dial,colorized dial,scale is very clear,look neat and beautiful.Null meter reading instrument all have zero button,easy to adjust.

## Product Description:

The deflection angle of Q96,F96,F96J,51L5,51T5,51C5,Z96,LS-96 Pointer needle is wide angle(240 to 250 degree) ,the meter is tension string structure,import of German technology,rotation no friction,shock assistance is better. Hairspring structure import of Taiwan technology,shock assistance is good,also can be produce to right angle 90 degree deflection angle.

The deflection angle of 51C4,51L4,51T4,51C6,51T6 Pointer needle is right angle(90 degree),also can be extend to wide angle(240 degree) deflection angle.(need to confirm when you place order) (96x96mm)

Q/F 96 type wide angle meter,overall size 96x96mm, hole size 92x92mm,depth dimensions 108mm.

Q/F 96 type right angle meter,overall size 96x96mm, hole size 92x92mm,depth dimensions 108mm.

## Universal Technical Parameter:

| Item                          | Technical performance                                                            | Equivalent international standard |
|-------------------------------|----------------------------------------------------------------------------------|-----------------------------------|
| Product technical standard:   | GB/T7676-1998                                                                    | IEC60092-504                      |
| Service environment standard: | GB8355-1987                                                                      | IEC92-504-74                      |
| Product safety standard:      | GB4793-2001                                                                      | IEC61010                          |
| Accuracy grade                | Frequency 0.5 grade, Power factor meter 3.0 grade, other 1.5 grade               |                                   |
| Service temperature           | -10~55℃,13℃~33℃conform to accuracy grade 100%                                    |                                   |
| Rotation angle of needle      | Wide angle(250 degree) , Right angle(90 degree), Synchronous dial indicator      |                                   |
| Protection grade              | Shell protection conform to IP42,allow the exist of oil mist,salt mist,dust etc. |                                   |

|                              |                                                                                                                                       |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Color of watchcase           | Square type white color, Round square black color ,panel border,terminal block,black.                                                 |
| Dial color                   | Convention color white, black need to customized.                                                                                     |
| Direction of mounting        | Vertical                                                                                                                              |
| Front size of instrument     | Q/F96(96X96)mm,Q/F72(72X72)mm                                                                                                         |
|                              | New 45 type (110X110)mm , New 63 type (80X80)mm                                                                                       |
| Meter overshoot              | When the pointer needle reach 2/3 of ful scale,less than 20%                                                                          |
| Insulation,Voltage-endurance | electric circuit and shell AC:2600V / 1 minute(water area)                                                                            |
| Vibration resistance         | 24.5m/S <sup>2</sup>                                                                                                                  |
| Shock resistance             | 147m/S <sup>2</sup>                                                                                                                   |
| Meter material               | square type: watchcase/terminal block(flame retardant ABS), Watch cap(transparent glass) Round square shape:water cap(transparent PC) |