

Sunshine Instruments
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Force Gauge



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1. Gauge introduction

The NK series Analog Force Gauge with compact size, high accuracy, they are easy to operate and handy to carry out, and can show the unit of newton and kilogram at the same time. The PEAK/TRACK knob of it can switch between the peak value load test and the continuous load test. They are excellent products which can take the place of the old style force gauges, and widely applied in electr-on, high & low voltage electric appliance, hardware, automobile parts, lighter and ignition system, light industry, mechanical, textile, and so on industries for test of pull or push load test, insertion force or pull and destructive experiment. Please reading the manual carefully before using this instrument.

6.Preparation before test

Choose appropriate joint clamps and install it on the gauge before test.

(1)pull test

Choose pull clamp and install it on the central stick of marked [PULL] .

(2)Push test

Choose push clamp and install it on the central stick of marked [PUSH] .

(3)Use of prlolng stick

When it isn't possible to touch tested thing, use prolong stick to install clamp.

NOTE:

When testing, tested thing and gauge must be on the same straight line, if not, it isn't possible to test right value of load

(4)Confirmation and operation method of changing knob

(a) [PEAK] change of [TRACK]

Lightly press knob changing, at the same time, turn it to left to make mark “●” be in the place of [TRACK] .

(b) [TRACK] change of [PEAK]

Turn knob to right, the knob springs and mark “●” is in the place of [TRACK] .

(c)Points for attention after testing

After finishing testing, change mark “●” , please put it in the place of [PEAK] . If changing knob is put in the place of [TRACK] for a long term, life of inner springs lam in ation will shorten.

(5)Adjustments of indicator dial

(a)Please confirm whether needle aims at [O] of dial, if not, please turn adjustable circle of dial, and dial will run with it to make needle aimed at [O] .

(b)When the machine is vertically placed to use, especially under the condition installing clamp, even don't apply load, needle will be lean, which is the dead weight reason of the machine and clamp. Turn adjustable circle of dial to have [O] aimed at needle, which can't affect veracity of testing result.