



# HIGH PRECISION EDDY PROBE SYSTEM CALIBRATOR

## MODEL 6100 PSC

GILCHRIST - PEARSON Technology

Patent Pending

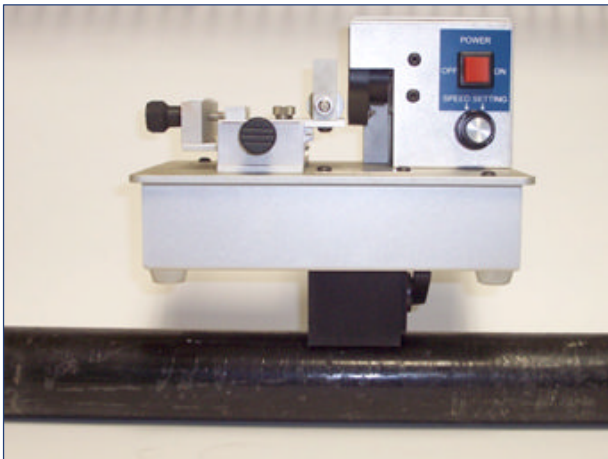
The 6100 PSC makes your Probe calibration process a more reliable, more efficient part of plant operations.

- Helps avoid costly downtime
- Reduces the risk of mechanical failure
- Saves on training costs
- Simplifies compliance with OSHA regulations.

The 6100 PSC gives you more precise readings in less time and with less hassle. Changing from Static to Dynamic usage is a one-step process. The probe gripper assembly is simply detached from one unit and inserted in the other.

Data from the probe under test can be sent directly to the monitoring center by using the quick-mount magnetic system which allows for solid, easy positioning of the entire unit on any steel member near the probe being calibrated. The release knob on the side engages and disengages a 75lb holding magnet with just a quarter turn.

A built-in battery provides all necessary operating power and eliminates the need for line power. The battery system is engineered for 10+ hours of operation. Recharging a fully discharged battery takes around 2 hours. However, the automatic trickle cycle recharging allows you to recharge the battery at any time, even when the unit is running, without worrying about damaging the battery.



*ENTIRE UNIT  
CAN BE  
MAGNETICALLY  
MOUNTED ON  
ANY STEEL  
MEMBER  
ADJACENT TO  
PROBE*

**NO TOOLS  
REQUIRED**



### **ADVANCED FEATURES NOT AVAILABLE FROM OTHER MANUFACTURERS:**

#### **The 6100 PSC**

**ELIMINATES NEED FOR COLLETS** while still firmly gripping all probes from .190" to .750" diameter. (5 mm to 19.05 mm)

**BATTERY OPERATED** can be used anywhere. No need for outlets or awkward and dangerous power lines.

**VARIABLE SPEED MOTOR** every Proximity Probe can be tested at the same speed as actual operation. Zero to 6,600 rpm capability.

**STATIC TEST FIXTURE** comes with quick-release magnetic base for solid placement on any steel surface at the probe location.

**ENTIRE DYNAMIC TEST UNIT** can also be used at probe location with quick-release magnetic mount.



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from GILCHRIST - PEARSON Technology

### ADDITIONAL TECHNICAL DATA

#### DIMENSIONS

CASE: 10.5" Wide, 7" Deep, 7.5" High

#### WEIGHT

13.3 Lbs.

#### POWER CONSUMPTION

12 V DC Battery, 2.3 amp hr. capacity  
Brushless DC motor draws 190 mamps  
Charger requires 110V AC

#### TARGET MATERIAL

AISI 4140 FOR BOTH STATIC AND DYNAMIC TESTING  
(Other types of Material available as options)

#### DYNAMIC PEAK TO PEAK RANGE

.001 to .040 is standard  
(Up to .060 is available as an option)

#### AVAILABILITY:

2 to 3 weeks from receipt of order

#### OPTIONAL ACCESSORIES:

1. Digital Tachometer
2. Magnetic base for entire unit
3. Increased Peak to Peak range up to .060
4. Various Target Material for both Static and Dynamic testing

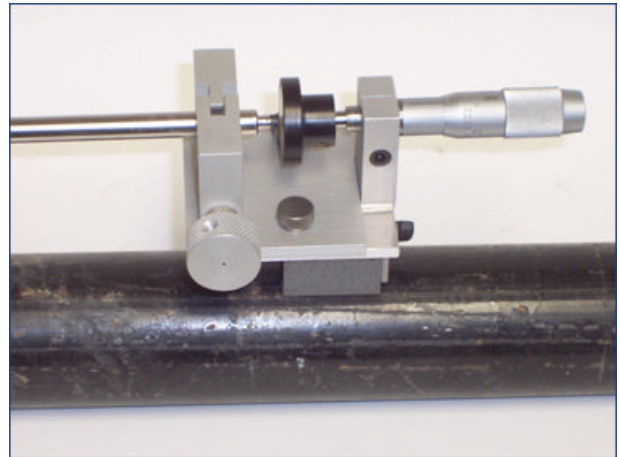
Mounting for Key Phase probe is built in. Optional Digital Tachometer eliminates need for Key Phase Probe.

#### SELLING PRICE of Model 6100 PSC

Contact : GILCHRIST - PEARSON Technology  
or your local Distributor

#### WARRANTY

The 6100PSC comes with a full two Year Materials  
And workmanship warranty.



COMPLETE SYSTEM INCLUDES CARRYING CASE, DYNAMIC AND  
STATIC CALIBRATORS, 12 VOLT BATTERY AND CHARGER.

**FOR MORE INFORMATION, CONTACT:**

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