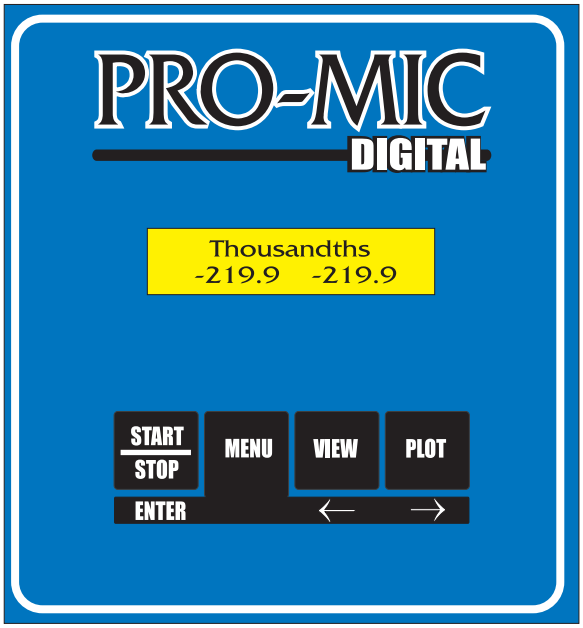
PRO-MIC Update

PRO-MIC Puts an End to Calibration!

PRO-MIC Digital 6000 Series

PRO-MIC Digital Features:

- **No calibration** required!
- **All new** Digital system.
- **Magnescale Digital Probes** - Specially developed probes generate High Precision using a ferromagnetic rod and **magnetic flux measuring head** - details on reverse.
- **Increased Range: 0.400"** or 10mm.
- **Increased Resolution: 0.000020"** or 0.0005mm.
- **Exchange or replace** probes without accuracy loss.
- **High Resolution Option** Available (0.000005"/0.000125mm)



New PRO-MIC Enhancements:

- **Super Bright** - LED Backlight LCD Display.
- **Super Battery** - 60% More Power.
- **Self Starting** - no more jump-starting.
- **Bluetooth Wireless Option** available - wireless data transfer to your PC.
- Ready for **Temperature Profiles** with infrared Temperature Sensors.
- **Compatible** with current Saddles, Chargers, Printers, PRO-FILERs and PRO-MIC Computer Systems.
- Direct **RS-232** Communication with PC.
- One and two probe probe configurations; opposed probe version available.

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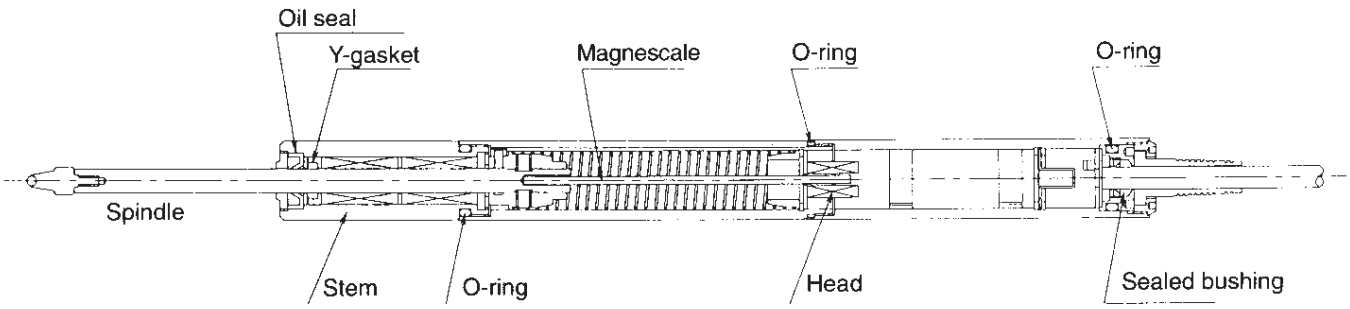
All New PRO-MIC Digital 6000 Series

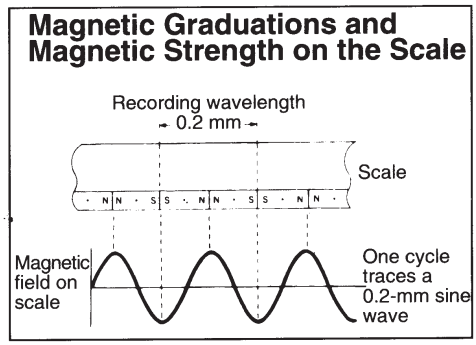
PRO-MIC 6000 Digital Probe Details
Magnescale Probes High Precision and Reliability

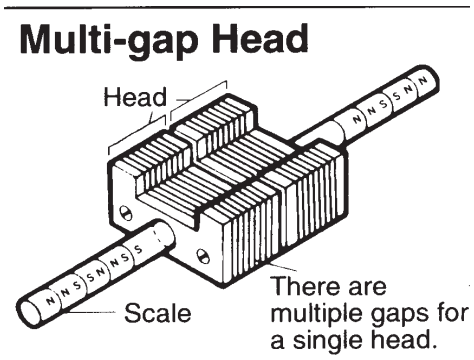
The sliding part of the measurement spindle is oil-sealed using Y-gaskets and O-rings to ensure dust-proof, splash-proof, and oil-resistant integrity. This enables highly efficient measurement even in our real world presence of flying dust and oil and coolant.



The Magnescale is a 2mm diameter rod made of ferromagnetic alloy recorded with 0.2mm pitch **magnetic graduations** (magnetization patterns). During manufacturing, the use of a special recording head and a **laser measuring** machine makes these graduations extremely accurate.

The measuring unit uses a magnetic flux responsive **multi-gap head** developed by Sony* to detect the magnetization pattern on the Magnascale as a signal corresponding to the amount of movement.





Then electrical techniques are used to separate the signals detected by the head and to output them as high-resolution digital signals.

These techniques have been in use in high-precision manufacturing environment for years. Now PRO-MIC puts Digital technology to use in your roll shop, measuring your rolls with never before seen reliability, accuracy and trouble free operation without the bother of periodic calibration.

*Adapted from Sony Magnescale Operating Principles