

POINTER FLUTTER / DAMPENING

Gauges exposed to vibration that manifests itself as pointer flutter due to pulsating fluids or vibrating machinery can benefit from dampening. In most cases, dampening completely eliminates pointer flutter without effecting accuracy.

Perma-Cal gauges are dampened with a viscous silicone oil around the pointer shaft as a standard. In extreme cold, below approximately -20°F, this silicone can freeze and impede pointer movement. Due to several requests for the dampening to be optional, a portion of the part number has been expanded to accommodate this request.

The Dial Trim section of the part number is used to designate the dampening requirement. Gauges ordered with dampening (standard) have no change in part number from the previous system. Dial Trim characters N, A, and W have been added to designate no dampening.

Below is a table that indicates how to order gauges with and without dampening:

Dial Trim	Mirror Band	Zero Adjust	Dampening	Dial Material
N	no	no	no	Vinyl
D	no	no	YES	Vinyl
A	no	YES	no	Stainless Steel
B	no	YES	YES	Stainless Steel
W	YES	YES	no	Stainless Steel
M	YES	YES	YES	Stainless Steel

Examples: Standard process P/N: 121TID04Y23
without dampening: 121TIN04Y23

Standard Test P/N: 101FTM11B21
without dampening: 101FTW11B21

It is recommended that all gauges be ordered with dampening unless being exposed to extreme cold.