

When do I need to validate?

In general, calibration of welding equipment instruments (e.g. ammeters, voltmeters) is only required when the quality/repeatability of the weld depends on accurate and repeatable setting of parameters such as current, voltage, speed, gas flow, pulse characteristics, etc. In the schematic* below, you can find help on when to validate/calibrate.

	Use visual inspection, intuition and experience.	Validation/calibration can be chosen.	Validation/calibration is necessary.
MMA	x	x	
MIG - TIG - Plasma TIG (non puls hand welding)		x	
MIG pulse and FCW (hand welding)			x
MIG - TIG - Plasma TIG (on automats)			x
Equipment used for WPS			x
Plasma cutting	x		

*Information is taken from ISO 17662