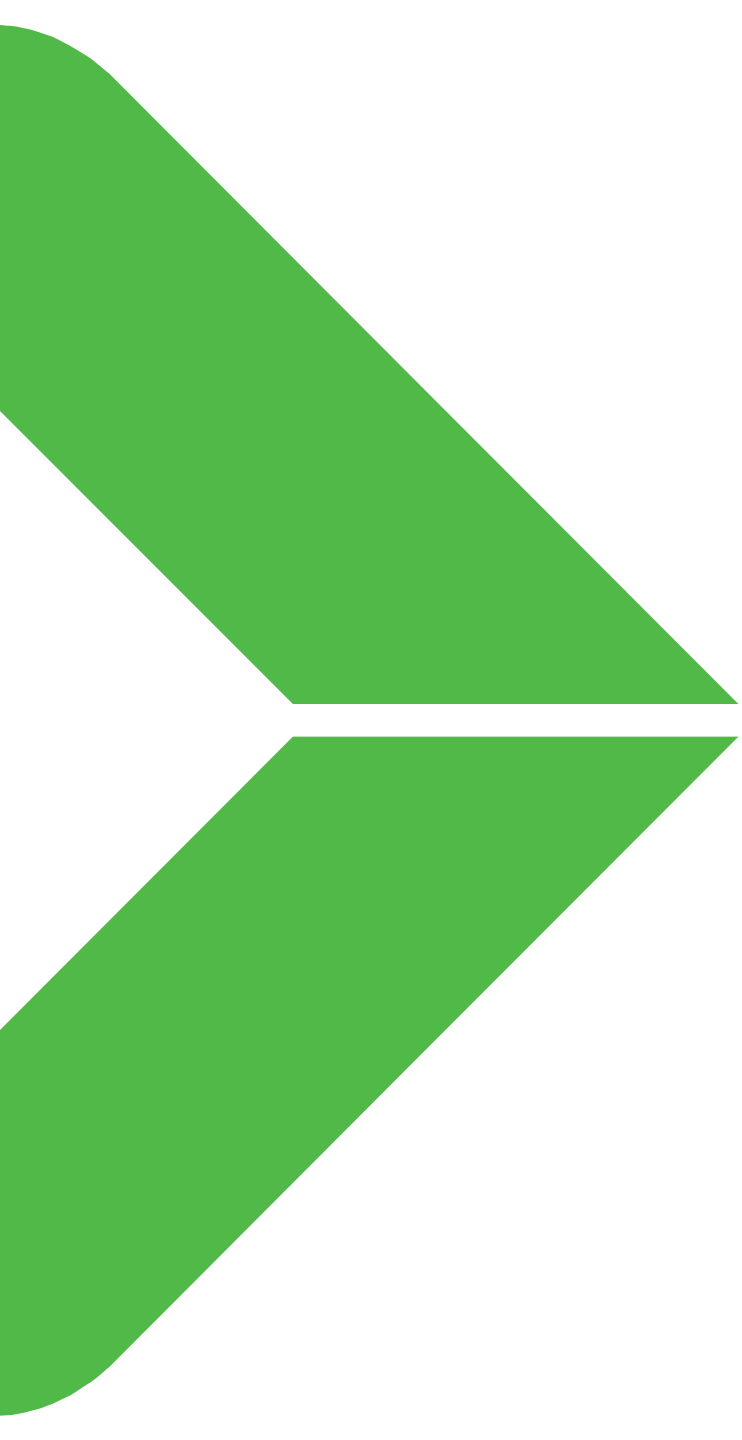




Valmet Paper Lab

Calibration tools and traceability

Calibration & traceability checking tools available for Valmet Paper Lab modules

Module	Tools	Traceability
BURST	Set of foils (4*10): Different foils for paper and board.	Pulp and Paper Research Institute in Canada (PAPRICAN)
TEAR	Set of weights (2 pcs) and calibration support	Supplier Certificate; traceable to NIST
TENSILE	Set of weights (2 pcs) and calibration support	Supplier Certificate; traceable to NIST
SMOOTHNESS-B	Set of nozzles (5 pcs) and hose in a box	Vol-U-Meter gas calibrator ser. # 701875/1E (NMI)
SMOOTHNESS-PPS	Set of orifices (3 pcs)	Reference module ser. # 013 and master orifices, ser. # 012 measured by Vol-U-Meter gas calibrator ser. # 701875/1E (NMI)
SMOOTHNESS-S	Set of nozzles (5 pcs) and hose and hose plug	Vol-U-Meter gas calibrator ser. # 701875/1E (NMI), Calibrated pressure meter
POROSITY-B/G	Set of nozzles (5 pcs), hose and zero plate	Vol-U-Meter gas calibrator 701875/1E (NMI)

NMI	Nederlands Meetinstituut
NIST	National Institute for Standards and Technology
OIML	Organisation Internationale De Metrologie Legale
VTT	Technical Research Centre of Finland
MIKES	Centre for metrology and accreditation
BAM	Bundesanstalt für Materialforschung und - prüfung

Calibration & traceability checking tools available for Valmet Paper Lab modules

Module	Tools	Traceability
POROSITY-S	Set of reference plates (5 pcs)	Vol-U-Meter gas calibrator 701875/1E (NMI), Calibrated pressure meter
UV COLOR	2 plates ~ 95 % ~ 110 %	Master module, Master reference standard certified by VTT
GLOSS	Reference bag: - reference tiles (4 pcs) - calibration support - cleaner + instructions - brush	Reference module ser. # 1800, Master ref. standard ser. # 1820 certified by VTT
CALIPER //expanded meas. range	Set of references (5 pcs) 0 - 250 µm // 0 - 600 µm	Reference module ser. # 035 and 146, Master ref. standard set certified by MIKES
BASIS WEIGHT (28.3 cm ² // 100 cm ²)	Set of - 3 weights and tweezers (28.3 cm ²) - 2 weights and tweezers (100 cm ²)	Supplier Certificate; OIML Class E2; Standards

NMI	Nederlands Meetinstituut
NIST	National Institute for Standards and Technology
OIML	Organisation Internationale De Metrologie Legale
VTT	Technical Research Centre of Finland
MIKES	Centre for metrology and accreditation
BAM	Bundesanstalt für Materialforschung und - prüfung

Calibration & traceability checking tools available for Valmet Paper Lab modules

Module	Tools	Traceability
FORMATION	Calibration KIT (3 plates)	Reference module ser. # 01-9013, Master ref. standard K78
SCT	Set of weights (2 pcs) and calibration support	Supplier Certificate; traceable to NIST
S-TEST	Set of weights (2 pcs) and calibration support	Supplier Certificate; traceable to NIST
BENDING STIFFNESS (paper)	Set of mylars (4 Pcs)	Master module, master reference standards
BENDING STIFFNESS (board)	Set of metallic plates (3Pcs) and calibration support	Master module, master reference standards
TENSILE STIFFNESS ORIENTATION (TSO)	Mylar checking sheet	Reference unit ser. # 036b and master ref. plate ser. # 036b
BLACKENING	Set of paper samples	Master Module, Master reference standards
SCARREDNESS	Set of paper samples	Reference standards
Case for calibration tools		

NMi	Nederlands Meetinstituut
NIST	National Institute for Standards and Technology
OIML	Organisation Internationale De Metrologie Legale
VTT	Technical Research Centre of Finland
MIKES	Centre for metrology and accreditation
BAM	Bundesanstalt für Materialforschung und - prüfung

