

# Comparison Guide



Model	VISCOPro 1600 (obsolete)	VISCOPro 2000	VISCOPro 2100
Principle of Operation	Oscillating Piston		
ASTM Correlation	D445, D7483		
Sensor Temperature Range	190 °C	190 °C or 375C °C	190 °C or 375 °C
Temperature Accuracy	+/-0.2 °C		
Viscosity Range*	0.5-10,000cP	0.2-20,000cP	0.25-10,000cP
Viscosity Accuracy	1.5% Full scale	1% Full Scale	1% full scale
Repeatability	1.5% of reading	0.8% of reading	0.5% of reading
TCV	N	Y	Y
Field Calibration	N	Y	Y
DIN Rail Option	N	N	Y
Control	N	Y	N
HMI	N	Y	Y
Hazardous Classification***	Y	Y	Y
Multiple Ranges	N	Y	N
Digital Outputs	RS485	RS232 and RS485 and Modbus	Modbus RTU or RS-485
Analog Outputs	2	4	4
User Interface	No	Yes	Yes
Data Collection	RS485 + 4-20mA Analog	RS232/RS485 + 4-20mA Analog	Modbus, 4-20m analog, web
Density(Calculated)	N	Y	Y
Shear Measurements	N	N	Y

Correlation to ASTM D7483 and ASTM D445

\* Based on mutiple 20:1 ranges

\*\* See Chart Vi.1

<b>Vi.1 Hazardous Area Certifications</b>	ATEX 94/9/EC	NEMA Model:	E1 Models:
	Class 1 Div 1, Group B,C,D Class 1 Zone 1	NEMA 4; 12	Safe Area
	AEx d IIB+H2 Class 1 Zone 1	Ex Model:	E2 Models:
		AEx d IIB+H2 ;IP66; Class 1 Div 1, Group B,C,D Class 1 Zone 2	Class 1 Div 1, Group B,C,D Class 1 Zone 1
			AEx d IIB+H2 Class 1 Zone 1 Ex d IIB+H2 cFM, FM Ex, IECeX, and CE



Cambridge Viscosity

