HHP400 Series | Smart Manometer

HHP400 Suite

Our HHP400 Suite application is included with the HHP400 so you can configure HHP400 and OTS to streamline your daily measurement tasks.

Configure the Smart Manometer and sensors

Configure and download data logs, select measurement units and configure user defined units, turn on and off device functions, and calibrate your device using your local measurement standards.

Add HHP400 Suite to the HHP400 and OTS to expand data logging capabilities to 128 log files or 100,000 data points. Modify data log options and settings using Data Log Pro tab in HHP400 Suite Application - available with optional Omega Tethered Sensor.



Pressure Ranges for dry, non-corrosive gas media (Non-isolated) *-1 to 1, -5 to 5, -14.5 to 15, 30, 50, 100 psi Differential (Non-isolated) *-1 to 1, -5 to 5, -14.5 to 15, 30, 50, 100 psi Compound (Additional ranges available with OTS) *-14.5 to 15, 30, 100, 1000 psi Absolute (Additional ranges available with OTS) *-14.5 to 15, 30, 100, 1000 psi Absolute (Additional ranges available with OTS) *-14.5 to 15, 30, 100, 1000 psi Absolute (Additional ranges available with OTS) *-14.5 to 15, 30, 50, 100, 300, 500 psi Differential (Additional ranges available with OTS) *-14.5 to 15, 30, 50, 100, 300, 500, 100, 300 psi Compound (Additional ranges available with OTS) *-14.5 to 15, 30, 50, 100, 300, 500, 1000, 3000 psi Compound (Additional ranges available with OTS) *-14.5 to 15, 30, 50, 100, 300, 500, 1000, 3000 psi Compound (Additional ranges available with OTS) *-14.5 to 15, 30, 50, 100, 300, 500, 1000, 3000 psi Compound (Additional ranges available with OTS) *-14.5 to 15, 30, 50, 100, 300, 500, 1000, 3000 psi Compound (Additional ranges available with OTS) *-14.5 to 15, 30, 50, 100, 300, 500, 1000, 3000 psi Compound (Additional ranges available with OTS) *-14.5 to 15, 30, 50, 100, 300, 500, 1000, 3000 psi Compound (Additional ranges available with OTS) *-14.5 to 15, 30, 50, 100, 300, 500, 1000, 3000 psi Compound (Additional ranges available with OTS) *-14.5 to 15, 30, 50, 100, 300, 500, 1000, 3000 psi Compound (Additional ranges available with OTS) *-14.5 to 15, 30, 100, 1000 psi Absolute (Additional ranges available with OTS) *-14.5 to 15, 30, 100, 1000 psi Absolute (Additional ranges available with OTS) *-14.5 to 15, 30, 100, 1000 psi Absolute (Additional ranges available with OTS) *-14.5 to 15, 30, 100, 1000 psi Absolute (Additional ranges available with OTS) *-10 to 15, 30, 100, 1000 psi Absolute (Additional ranges available with OTS		HHP452 Units	HHP460 Units			
dry, non-corrosive gas media (Non-isolated)	Pressure Accuracy	■± 0.020% Full Scale + 0.005% of Reading				
### Additional ranges available with OTS ### Additional ranges availabl	Pressure Ranges for					
Non-isolated -1 to 1, -5 to 5, -14.5 to 15, 30, 50, 100 psi Compound -Additional ranges available with OTS	dry, non-corrosive	•0 to 15, 30, 100 psi Absolute	•0 to 30 psi and 0 to 100 psi Absolute			
Additional ranges available with OTS Pressure Ranges for assess and liquid media compatible with 316SS (Isolated) -14.5 to 15, 30, 100, 1000 psi Absolute -10.1, -5 to 5, -14.5 to 15, 30, 50, 100, 300, 500 psi Differential -14.5 to 15, 30, 50, 100, 300, 500, 1000, 3000 psi Compound -4dditional ranges available with OTS Measurement Units -10 -10 -10 -10 -10 -10 -10 -10 -10 -10	gas media	·	•Additional ranges available with OTS			
Pressure Ranges for gasses and liquid media compatible with 316SS (Isolated) -1 to 1,-5 to 5,-14.5 to 15, 30, 50, 100, 300, 500 psi Differential -14.5 to 15, 30, 50, 100, 300, 500, 1000, 300, 500 psi Differential -14.5 to 15, 30, 50, 100, 300, 500, 1000, 3000 psi Compound -14 Additional ranges available with OTS Measurement Units -Offering over 30 measurement units including psi, inH ₂ O, mBar, Bar, kPa, mmHg, cmHg, inHg, kg/cm2, and user defined units-available with optional OTS Display Resolution -Up to 6 digits depending on pressure unit selected -15 in 132.1 mm) at widest point with boot -16 in 15 in 132.1 mm) at widest point with boot -16 in 15	(Non-isolated)					
10 to 15, 30, 100, 1000 psi Absolute		Additional ranges available with OTS				
media compatible with 316SS (Isolated) -1 to 1, 5 to 5, -14.5 to 15, 30, 50, 100, 300, 500 psi Differential (Isolated) -1 to 1, 5 to 5, -14.5 to 15, 30, 50, 100, 300, 500, 1000, 3000 psi Compound -Additional ranges available with OTS Measurement Units -1 to 5, -1	_					
with 316SS (Isolated) with	1-	0. 45 00 400 4000 141 1.	· · · · · · · · · · · · · · · · · · ·			
(Isolated)14.5 to 15, 30, 50, 100, 300, 500, 1000, 3000 psi Compound -Additional ranges available with OTS	-		•Additional ranges available with OTS			
*Additional ranges available with OTS *Offering over 30 measurement units including psi, inH ₂ O, mBar, Bar, kPa, mmHg, cmHg, inHg, kg/cm2, and user defined units available with optional OTS Display Resolution Display Resolution *Up to 6 digits depending on pressure unit selected *Width 5.2 in (13.2.1 mm) at widest point with boot *Width 5.2 in (13.2.1 mm) at widest point with boot *Thickness 2.3 in (58.4 mm) Connections *1/8" Female NPT 3165S USB *Omega Tethered Sensor (OTS) Port *USB *Omega Tethered Sensor (OTS) Port *USB Power *4 AA batteries OTS RTD Specifications Temperature Probe Accuracy *IEC 60751 PT100 class A *Tolerance ± (0.15 + 0.002 t) °C *Probe measurement range: -50 °C to 250 °C Temperature *Storage: -20 °C to 70 °C (-4 °F to 158 °F) Specifications *Operating: -10 °C to 50 °C (14 °F to 122 °F) Altitude *Oknots to 660 knots *O knots to 660 knots *O to 760 mph		•				
Measurement Units Offering over 30 measurement units including psi, inH ₂ O, mBar, Bar, kPa, mmHg, cmHg, inHg, kg/cm2, and user defined units - available with optional OTS Display Resolution I up to 6 digits depending on pressure unit selected I length 9.8 in (248.9 mm) from manifold to end of boot Width 5.2 in (132.1 mm) at widest point with boot Thickness 2.3 in (58.4 mm) Connections Omega Tethered Sensor (OTS) Port USB Power AAA batteries OTS RTD Specifications Temperature Probe Accuracy IEC 60751 PT100 class A Tolerance = ± (0.15 + 0.002 t) °C Probe measurement range: -50 °C to 250 °C Temperature Storage: -20 °C to 70 °C (-4 °F to 158 °F) Specifications Operating: -10 °C to 50 °C (14 °F to 122 °F) Altitude Indicated Air Speed Oknots to 660 knots Oknots to 660 knots Other to 10,972.80 m	(Isolated)					
available with optional OTS Display Resolution •Up to 6 digits depending on pressure unit selected Dimensions with boot •Width 5.2 in (248.9 mm) from manifold to end of boot •Width 5.2 in (132.1 mm) at widest point with boot •Thickness 2.3 in (58.4 mm) Connections •1/8" Female NPT 316SS USB •Omega Tethered Sensor (OTS) Port •USB Power •4 AA batteries OTS RTD Specifications Temperature Probe Accuracy •IEC 60751 PT100 class A •Tolerance = ± (0.15 + 0.002 t) °C •Probe measurement range: -50 °C to 250 °C Temperature •Storage: -20 °C to 70 °C (-4 °F to 158 °F) Specifications •Operating: -10 °C to 50 °C (14 °F to 122 °F) Altitude •Oknots to 660 knots •0 knots to 660 knots •0 knots to 660 knots •0 knots to 660 knots •0 to 760 mph						
Display Resolution Dimensions with grown manifold to end of boot Dimensions with Selected Dimensions Widest point with boot Dimensions Widest point with boot Dimensions United Proposed Selected Dimensions Widest point with boot Dimensions United Proposed Selected Dimensions United Proposed Selected Dimensions United Proposed Selected Dimensions United Proposed Selected Dimensions United Proposed Proposed Selected Dimensions United Proposed Proposed Selected Proposed Pr	Measurement Units					
Length 9.8 in (248.9 mm) from manifold to end of boot	Display Basalytian					
#Width 5.2 in (132.1 mm) at widest point with boot *Thickness 2.3 in (58.4 mm) Connections *1/8" Female NPT 316SS USB *Omega Tethered Sensor (OTS) Port *USB Power *4 AA batteries OTS RTD Specifications Temperature Probe Accuracy *IEC 60751 PT100 class A *Tolerance = ± (0.15 + 0.002 t) °C *Probe measurement range: -50 °C to 250 °C Temperature *Storage: -20 °C to 70 °C (-4 °F to 158 °F) Specifications *Operating: -10 °C to 50 °C (14 °F to 122 °F) Altitude *Oknots to 660 knots *O knots to 660 knots *O to 760 mph						
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Omega Tethered Sensor (OTS) Port USB Power 4 AA batteries OTS RTD Specifications Temperature Probe Accuracy IEC 60751 PT100 class A Tolerance = ± (0.15 + 0.002 t) °C Probe measurement range: -50 °C to 250 °C Temperature Storage: -20 °C to 70 °C (-4 °F to 158 °F) Specifications Operating: -10 °C to 50 °C (14 °F to 122 °F) Altitude Indicated Air Speed Oknots to 660 knots Ot 760 mph	Connections					
Power -4 AA batteries OTS RTD Specifications Temperature Probe Accuracy -IEC 60751 PT100 class A -Tolerance = ± (0.15 + 0.002 t) °C -Probe measurement range: -50 °C to 250 °C Temperature -Storage: -20 °C to 70 °C (-4 °F to 158 °F) Specifications -Operating: -10 °C to 50 °C (14 °F to 122 °F) Altitude -2000.0 ft to 36,000 ft -609.6 m to 10,972.80 m Indicated Air Speed -0 knots to 660 knots -0 to 760 mph	Connections					
Power OTS RTD Specifications Temperature Probe Accuracy • IEC 60751 PT100 class A • Tolerance = ± (0.15 + 0.002 t) °C • Probe measurement range: -50 °C to 250 °C Temperature • Storage: −20 °C to 70 °C (−4 °F to 158 °F) Specifications • Operating: −10 °C to 50 °C (14 °F to 122 °F) Altitude -2000.0 ft to 36,000 ft -609.6 m to 10,972.80 m Indicated Air Speed 0 knots to 660 knots 0 to 760 mph		, ,				
OTS RTD Specifications Temperature Probe Accuracy •IEC 60751 PT100 class A •Tolerance = ± (0.15 + 0.002 t) °C •Probe measurement range: -50 °C to 250 °C Temperature •Storage: -20 °C to 70 °C (-4 °F to 158 °F) Specifications •Operating: -10 °C to 50 °C (14 °F to 122 °F) Altitude •-2000.0 ft to 36,000 ft •-609.6 m to 10,972.80 m Indicated Air Speed •0 knots to 660 knots •0 to 760 mph						
Specifications Temperature Probe Accuracy • IEC 60751 PT100 class A • Tolerance = ± (0.15 + 0.002 t) °C • Probe measurement range: -50 °C to 250 °C Temperature • Storage: -20 °C to 70 °C (-4 °F to 158 °F) Specifications • Operating: -10 °C to 50 °C (14 °F to 122 °F) Altitude • -2000.0 ft to 36,000 ft • -609.6 m to 10,972.80 m Indicated Air Speed • 0 knots to 660 knots • 0 to 760 mph	Power	■4 AA batteries				
•IEC 60751 PT100 class A •Tolerance = ± (0.15 + 0.002 t) °C •Probe measurement range: -50 °C to 250 °C Temperature •Storage: −20 °C to 70 °C (−4 °F to 158 °F) Specifications •Operating: −10 °C to 50 °C (14 °F to 122 °F) Altitude •-2000.0 ft to 36,000 ft •-609.6 m to 10,972.80 m Indicated Air Speed •0 knots to 660 knots •0 to 760 mph	OTS RTD					
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● Probe measurement range: -50 °C to 250 °C Temperature ■ Storage: -20 °C to 70 °C (-4 °F to 158 °F) Specifications ■ Operating: -10 °C to 50 °C (14 °F to 122 °F) Altitude ■ -2000.0 ft to 36,000 ft ■ -609.6 m to 10,972.80 m Indicated Air Speed ■ 0 knots to 660 knots ■ 0 to 760 mph		•IEC 60751 PT100 class A				
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Temperature •Storage: −20 °C to 70 °C (−4 °F to 158 °F) Specifications •Operating: −10 °C to 50 °C (14 °F to 122 °F) Altitude •-2000.0 ft to 36,000 ft •-609.6 m to 10,972.80 m •0 knots to 660 knots •0 to 760 mph		·				
Specifications •Operating: -10 °C to 50 °C (14 °F to 122 °F) Altitude •-2000.0 ft to 36,000 ft •-609.6 m to 10,972.80 m •0 knots to 660 knots •0 to 760 mph •0 to 760 mph	Tomporatura	-				
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■-609.6 m to 10,972.80 m Indicated Air Speed ■ 0 knots to 660 knots ■ 0 to 760 mph	•					
Indicated Air Speed •0 knots to 660 knots •0 to 760 mph	Altitude		•-2000.0 ft to 36,000 ft			
•0 to 760 mph			■-609.6 m to 10,972.80 m			
•0 to 760 mph	Indicated Air Speed		•0 knots to 660 knots			
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•U km/n to 1223 km/n			•			
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