

# Additel 685 & 685Ex Digital Pressure Gauge



## Gauge Pressure

P/N	Pressure Range		Display Resolution															
	(psi)	(bar)	psi	Pa	hPa	KPa	MPa	bar	mbar	kg/cm <sup>2</sup>	inH <sub>2</sub> O@4°C	inH <sub>2</sub> O@20°C	mmH <sub>2</sub> O@4°C	mmH <sub>2</sub> O@20°C	inHg@0°C	mmHg@0°C	ftH <sub>2</sub> O@4°C	ftH <sub>2</sub> O@20°C
V15	-15	-1.0	0.0001	1	0.01	0.001	0.0001	0.00001	0.01	0.00001	0.01	0.01	0.1	0.1	0.001	0.01	0.001	0.001
GP2	2	0.16	0.0001	0.1	0.001	0.0001	0.0001	0.0001	0.001	0.0001	0.001	0.001	0.01	0.01	0.0001	0.001	0.0001	0.0001
GP5	5	0.35	0.0001	1	0.01	0.001	0.0001	0.0001	0.01	0.0001	0.001	0.001	0.1	0.1	0.0001	0.01	0.0001	0.0001
GP10	10	0.7	0.0001	1	0.01	0.001	0.0001	0.0001	0.01	0.0001	0.01	0.01	0.1	0.1	0.001	0.01	0.001	0.001
GP15	15	1.0	0.0001	1	0.01	0.001	0.0001	0.00001	0.01	0.00001	0.01	0.01	0.1	0.1	0.001	0.01	0.001	0.001
GP30	30	2.0	0.001	N/A	0.1	0.01	0.0001	0.0001	0.1	0.0001	0.01	0.01	1	1	0.001	0.01	0.001	0.001
GP50	50	3.5	0.001	N/A	0.1	0.01	0.0001	0.0001	0.1	0.0001	0.01	0.01	1	1	0.001	0.1	0.001	0.001
GP100	100	7.0	0.001	N/A	0.1	0.01	0.0001	0.0001	0.1	0.0001	0.1	0.1	1	1	0.01	0.1	0.01	0.01
GP150	150	10	0.001	N/A	0.1	0.01	0.00001	0.0001	0.1	0.0001	0.1	0.1	1	1	0.01	0.1	0.01	0.01
GP300	300	20	0.01	N/A	1	0.1	0.0001	0.001	1	0.001	0.1	0.1	N/A	N/A	0.01	0.1	0.01	0.01
GP500	500	35	0.01	N/A	1	0.1	0.0001	0.001	1	0.001	0.1	0.1	N/A	N/A	0.01	1	0.01	0.01
GP600	600	40	0.01	N/A	1	0.1	0.0001	0.001	1	0.001	0.1	0.1	N/A	N/A	0.01	1	0.01	0.01
GP1K	1,000	70	0.01	N/A	1	0.1	0.0001	0.001	1	0.001	1	1	N/A	N/A	0.1	1	0.1	0.1
GP1.5K	1,500	100	0.01	N/A	1	0.1	0.0001	0.001	1	0.001	1	1	N/A	N/A	0.1	1	0.1	0.1
GP2K	2,000	140	0.1	N/A	1	0.1	0.0001	0.001	1	0.001	1	1	N/A	N/A	0.1	1	0.1	0.1
GP3K	3,000	200	0.1	N/A	N/A	1	0.001	0.01	N/A	0.01	1	1	N/A	N/A	0.1	1	0.1	0.1
GP5K	5,000	350	0.1	N/A	N/A	1	0.001	0.01	N/A	0.01	1	1	N/A	N/A	0.1	N/A	0.1	0.1
GP10K	10,000	700	0.1	N/A	N/A	1	0.001	0.01	N/A	0.01	N/A	N/A	N/A	N/A	1	N/A	1	1
GP15K	15,000	1,000	0.1	N/A	N/A	1	0.001	0.01	N/A	0.01	N/A	N/A	N/A	N/A	1	N/A	1	1
GP20K	20,000	1,400	1	N/A	N/A	1	0.001	0.01	N/A	0.01	N/A	N/A	N/A	N/A	1	N/A	1	1
GP25K	25,000	1,600	1	N/A	N/A	1	0.001	0.01	N/A	0.01	N/A	N/A	N/A	N/A	1	N/A	1	1
GP30K	30,000	2,000	1	N/A	N/A	N/A	0.01	0.1	N/A	0.1	N/A	N/A	N/A	N/A	1	N/A	1	1
GP36K	36,000	2,500	1	N/A	N/A	N/A	0.01	0.1	N/A	0.1	N/A	N/A	N/A	N/A	1	N/A	1	1
GP40K	40,000	2,800	1	N/A	N/A	N/A	0.01	0.1	N/A	0.1	N/A	N/A	N/A	N/A	1	N/A	1	1
GP50K	50,000	3,500	1	N/A	N/A	N/A	0.01	0.1	N/A	0.1	N/A	N/A	N/A	N/A	1	N/A	1	1
GP60K	60,000	4,200	1	N/A	N/A	N/A	0.01	0.1	N/A	0.1	N/A	N/A	N/A	N/A	1	N/A	1	1

## Absolute Pressure

P/N	Pressure Range		Display Resolution															
	(psi)	(bar)	psi	Pa	hPa	KPa	MPa	bar	mbar	kg/cm <sup>2</sup>	inH <sub>2</sub> O@4°C	inH <sub>2</sub> O@20°C	mmH <sub>2</sub> O@4°C	mmH <sub>2</sub> O@20°C	inHg@0°C	mmHg@0°C	ftH <sub>2</sub> O@4°C	ftH <sub>2</sub> O@20°C
AP5	5	0.35	0.0001	1	0.01	0.001	0.0001	0.00001	0.01	0.0001	0.001	0.001	0.1	0.1	0.0001	0.01	0.0001	0.0001
AP10	10	0.7	0.0001	1	0.01	0.001	0.0001	0.00001	0.01	0.0001	0.01	0.01	0.1	0.1	0.001	0.01	0.001	0.001
AP15	15	1.0	0.0001	1	0.01	0.001	0.0001	0.00001	0.01	0.00001	0.01	0.01	0.1	0.1	0.001	0.01	0.001	0.001
AP30	30	2.0	0.001	N/A	0.1	0.01	0.0001	0.0001	0.1	0.0001	0.01	0.01	1	1	0.001	0.01	0.001	0.001
AP50	50	3.5	0.001	N/A	0.1	0.01	0.0001	0.0001	0.1	0.0001	0.01	0.01	1	1	0.001	0.1	0.001	0.001
AP100	100	7.0	0.001	N/A	0.1	0.01	0.0001	0.0001	0.1	0.0001	0.1	0.1	1	1	0.01	0.1	0.01	0.01
AP300	300	20	0.01	N/A	1	0.1	0.0001	0.001	1	0.001	0.1	0.1	N/A	N/A	0.01	0.1	0.01	0.01
AP500	500	35	0.01	N/A	1	0.1	0.0001	0.001	1	0.001	0.1	0.1	N/A	N/A	0.01	1	0.01	0.01
AP1K	1,000	70	0.01	N/A	1	0.1	0.0001	0.001	1	0.001	1	1	N/A	N/A	0.1	1	0.1	0.1
AP3K	3,000	200	0.1	N/A	N/A	1	0.001	0.01	N/A	0.01	1	1	N/A	N/A	0.1	1	0.1	0.1
AP5K	5,000	350	0.1	N/A	N/A	1	0.001	0.01	N/A	0.01	1	1	N/A	N/A	0.1	N/A	0.1	0.1

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## Differential Pressure

P/N	Pressure Range		Display Resolution																
	(inH <sub>2</sub> O)	(mbar)	inH <sub>2</sub> O@4°C	inH <sub>2</sub> O@20°C	mmH <sub>2</sub> O@4°C	mmH <sub>2</sub> O@20°C	psi	Pa	hPa	KPa	MPa	bar	mbar	kgf/cm <sup>2</sup>	inHg@0°C	mmHg@0°C	ftH <sub>2</sub> O@4°C	ftH <sub>2</sub> O@20°C	
DP1	± 1	±2.5	0.00001	0.00001	0.001	0.001	0.0001	0.01	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.00001	0.0001	0.0001
DP2	± 2	±5.0	0.0001	0.0001	0.001	0.001	0.0001	0.01	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
DP5	± 5	±10	0.0001	0.0001	0.001	0.001	0.0001	0.01	0.0001	0.00001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
DP10	± 10	±25	0.0001	0.0001	0.01	0.01	0.0001	0.1	0.001	0.0001	0.0001	0.0001	0.001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001
DP20	± 20	±50	0.001	0.001	0.01	0.01	0.0001	0.1	0.001	0.0001	0.0001	0.0001	0.001	0.0001	0.00001	0.001	0.00001	0.00001	0.00001
DP30	± 30	±75	0.001	0.001	0.01	0.01	0.00001	0.1	0.001	0.0001	0.0001	0.0001	0.001	0.0001	0.0001	0.001	0.0001	0.0001	0.0001
DP50	± 50	±125	0.001	0.001	0.01	0.01	0.00001	0.1	0.001	0.0001	0.0001	0.0001	0.001	0.0001	0.0001	0.001	0.0001	0.0001	0.0001
DP100	±100	±250	0.001	0.001	0.1	0.1	0.0001	1	0.01	0.001	0.0001	0.0001	0.01	0.0001	0.0001	0.001	0.0001	0.0001	0.0001
DP150	± 150	±350	0.001	0.001	0.1	0.1	0.0001	1	0.01	0.001	0.0001	0.0001	0.01	0.0001	0.0001	0.01	0.0001	0.0001	0.0001
DP300	± 300	±700	0.01	0.01	0.1	0.1	0.0001	1	0.01	0.001	0.0001	0.0001	0.01	0.0001	0.001	0.01	0.001	0.001	0.001

## Compound Pressure

P/N	Pressure Range		Display Resolution																
	(psi)	(mbar)	inH <sub>2</sub> O@4°C	inH <sub>2</sub> O@20°C	mmH <sub>2</sub> O@4°C	mmH <sub>2</sub> O@20°C	psi	Pa	hPa	KPa	MPa	bar	mbar	kgf/cm <sup>2</sup>	inHg@0°C	mmHg@0°C	ftH <sub>2</sub> O@4°C	ftH <sub>2</sub> O@20°C	
CP2	± 2	±0.16	0.001	0.001	0.01	0.01	0.0001	0.1	0.001	0.0001	0.0001	0.0001	0.001	0.0001	0.0001	0.001	0.0001	0.0001	0.0001
CP5	± 5	±0.35	0.001	0.001	0.1	0.1	0.0001	1	0.01	0.001	0.0001	0.0001	0.01	0.0001	0.0001	0.01	0.0001	0.0001	0.0001
CP10	± 10	±0.7	0.01	0.01	0.1	0.1	0.0001	1	0.01	0.001	0.0001	0.0001	0.01	0.0001	0.001	0.01	0.001	0.001	0.001
CP15	± 15	±1	0.01	0.01	0.1	0.1	0.0001	1	0.01	0.001	0.0001	0.00001	0.01	0.00001	0.001	0.01	0.001	0.001	0.001
CP30	- 15 to 30	-1 to 2	0.01	0.01	1	1	0.001	N/A	0.1	0.01	0.0001	0.0001	0.1	0.0001	0.001	0.01	0.001	0.001	0.001
CP100	-15 to 100	-1 to 7	0.1	0.1	1	1	0.001	N/A	0.1	0.01	0.0001	0.0001	0.1	0.0001	0.01	0.1	0.01	0.01	0.01
CP300	-15 to 300	-1 to 20	0.1	0.1	N/A	N/A	0.01	N/A	1	0.1	0.0001	0.001	1	0.001	0.01	0.1	0.01	0.01	0.01
CP500	-15 to 500	-1 to 35	0.1	0.1	N/A	N/A	0.01	N/A	1	0.1	0.0001	0.001	1	0.001	0.01	1	0.01	0.01	0.01
CP600	-15 to 600	-1 to 40	0.1	0.1	N/A	N/A	0.01	N/A	1	0.1	0.0001	0.001	1	0.001	0.01	1	0.01	0.01	0.01
CP1K	-15 to 1,000	-1 to 70	1	1	N/A	N/A	0.01	N/A	1	0.1	0.0001	0.001	1	0.001	0.1	1	0.1	0.1	0.1