



SPECIFICATIONS		QSTAR PORTABLE	QSTAR FIXED
Operation:	Intuitive via 8 main keys (Soft Keys), plain text display		
Languages:	English, Spanish and French		
Units:	Metric/US		
Outputs:	2x 4-20 mA, 1x Relay, 1x MicroUSB 1x Pulse	2x 4-20 mA, 1x Pulse, 1x MicroUSB 1x Relay, RS232 (opt.)	
Inputs:	2x PT100		
Integrated Data Logger:	2 GB	N/A	
Data Logged:	Measurement and totalizers	N/A	
Data Format:	Can be exported into standard office programs	N/A	
Memory Cycle:	Adjustable, 1 second to 24 hours	N/A	
Power Supply:	Integrated rechargeable battery and 110V AC adapter Battery Duration: Approximately 5 hours	85-264VAC, 18-36VDC (opt.) Power Consumption: 10 W	
Protection Class:	IP40	IP65, Ex	
Housing:	Aluminium, PVC	PVC, wall-mounted	
Dimensions:	10.4 x 7.5 x 2.7 in.	10.2 x 9.4 x 4.7 in.	
Operating Temp:	-4° F to 140° F		
Transducer Temp:	-40° F to 300° F		
Weight:	3.3 lbs	2.9 lbs	
Display:	QVGA (320x240), black and white, adjustable backlighting		
Carrying Case:	20 x 16 x 16	N/A	

MEASUREMENT	
Principle:	Ultrasonic transit time difference with AFC technology
Values Meas:	Flow, flow speed, heat flow
Totalizers:	Heat quantity, volume
Meas. Range:	+/- 98 ft/s
Signal Damping:	0 - 100 sec (adjustable)
Diagnostic Functions:	Acoustic velocity, signal strength, SNR, signal quality, amplitude, energy Oscilloscope function allows graphical display and analysis of signals.

MEASUREMENT ACCURACY		
Inner Diameter Ø	Range	Deviation
.39 - .98 in.	6.56-98.42 ft/s	2.5% of reading
	0-6.56 ft/s	± 0.16 ft/s
.98-1.97 in.	6.56-98.42 ft/s	1.5% of reading
	0-6.56 ft/s	± 0.10 ft/s
1.97-11.81 in.	6.56-98.42 ft/s	1% of reading
	0-6.56 ft/s	± 0.07 ft/s
11.81-236.22 in.	3.28-98.42 ft/s	1% of reading
	0-3.28 ft/s	± 0.03 ft/s
Repeatability for majority of applications is <0.2%		

MODEL NO.	DESCRIPTION	PIPE SIZES
QME05	Ultrasonic Flowmeter (ENERGY-FIXED, .5 MHz)	8" to 240"
QME10	Ultrasonic Flowmeter (ENERGY-FIXED, 1 MHz)	1.5" to 16"
QME20	Ultrasonic Flowmeter (ENERGY-FIXED, 2 MHz)	.5" to 4"
(Above include temperature sensors)		
QMF05	Ultrasonic Flowmeter (FIXED, .5 MHz)	8" to 240"
QMF10	Ultrasonic Flowmeter (FIXED, 1 MHz)	1.5" to 16"
QMF20	Ultrasonic Flowmeter (FIXED, 2 MHz)	.5" to 4"

MODEL NO.	DESCRIPTION	PIPE SIZES
QMP05	Ultrasonic Flowmeter (PORTABLE, .5 MHz)	8" to 240"
QMP10	Ultrasonic Flowmeter (PORTABLE, 1 MHz)	1.5" to 16"
QMP20	Ultrasonic Flowmeter (PORTABLE, 2 MHz)	.5" to 4"
QMF-PT100	Temperature Sensor Kit, FIXED (16 FT)	
QMP-PT100	Temperature Sensor Kit, PORTABLE (16 FT)	
	Pipe Wall Thickness Gauge	