

MONITEK ULTRASONIC CONTROLLER SPECIFICATIONS

PERFORMANCE			
Accuracy	+/- 4% F.S.	Linearity	+/- 4% F.S.
Repeatability	+/- 4% F.S.	Sensitivity	+/- 2% F.S.
		Response time: <1 second	
ENVIRONMENT			
Ambient temperature	- 0°C to 45°C (14°F to 113°F)		
Wallmount	Fiberglass enclosure: NEMA 4X, IP65		
Dimensions	452 mm H x 406 mm W x 223 mm D (17.8" x 16.0" x 8.8")		
Weight	10.5 kg (23.1 lbs.)		
Wallmount	Stainless steel enclosure: NEMA 4X, IP65		
Dimensions	452 mm H x 406 mm W x 223 mm D (17.8" x 16.0" x 8.8")		
Weight	9.7 kg (21.4 lbs.)		
Messenger PC	Fiberglass enclosure: NEMA 4X, IP65		
Dimensions	350 mm H x 300 mm W x 173 mm D (13.8" x 11.8" x 6.8")		
Weight	15 kg (33.0 lbs.)		
UTILITIES			
Power & consumption	90-265 VAC, 50/60 Hz Maximum 65 VA		
COMMUNICATIONS			
Analog Outputs	0/4 - 20mA (isolated, self-powered)		
Relays	4 AC Triac. 90 – 260 VAC @ 1 Amp, programmable		
APPROVALS & CERTIFICATIONS			
CSA/NEC – General Purpose: Monitek UltraSonic controller in stainless steel enclosure			
CSA/NEC – Class 1, Div. 2: Monitek UltraSonic controller in stainless steel enclosure with Z-Purge			

MONITEK ULTRASONIC SENSORS SPECIFICATIONS

PERFORMANCE			
Accuracy	+/- 4% F.S.	Linearity	+/- 4% F.S.
Sensitivity	+/- 2% F.S.		
Repeatability	+/- 4% F.S.	Response time:	<1 second
PHYSICAL SPECIFICATIONS			
Sensor Length	604 mm (23.8") (standard)	Probe Diameter	22.2 mm (0.875")
Probe Length	269 mm (10.6") (standard)		
Weight	2.2 kg (4.8 lbs.) application & sensor dependent		
DESIGN SPECIFICATIONS			
Sensor Types	Ultrasonic reflection (back scattered)		
Measurements	Oil in water (dispersed droplets), Total Suspended Solids		
Range	0-10,000 ppm (1%) (application dependent)		
Detector	PEEK lens with piezoelectric crystal		
Probe Material	316L SS / 1.4404 (as standard); Hastelloy C, others available		
Gasket Material	Kalrez o-ring for PEEK lens		
Process Connections	Mount via ball-valve assembly or flange		
Архангельск (8182)63-90-72	Калининград (4012)72-03-81	Нижний Новгород (831)429-08-12	Смоленск (4812)29-41-54
Астана +7(7172)727-132	Калуга (4842)92-23-67	Новокузнецк (3843)20-46-81	Сочи (862)225-72-31
Белгород (4722)40-23-64	Кемерово (3842)65-04-62	Новосибирск (383)227-86-73	Ставрополь (8652)20-65-13
Брянск (4832)59-03-52	Киров (8332)68-02-04	Орел (4862)44-53-42	Тверь (4822)63-31-35
Владивосток (423)249-28-31	Краснодар (861)203-40-90	Оренбург (3532)37-68-04	Томск (3822)98-41-53
Волгоград (844)278-03-48	Красноярск (391)204-63-61	Пенза (8412)22-31-16	Тула (4872)74-02-29
Вологда (8172)26-41-59	Курск (4712)77-13-04	Пермь (342)205-81-47	Тюмень (3452)66-21-18
Воронеж (473)204-51-73	Липецк (4742)52-20-81	Ростов-на-Дону (863)308-18-15	Ульяновск (8422)24-23-59
Екатеринбург (343)384-55-89	Магнитогорск (3519)55-03-13	Рязань (4912)46-61-64	Уфа (347)229-48-12
Иваново (4932)77-34-06	Москва (495)268-04-70	Самара (846)206-03-16	Челябинск (351)202-03-61
Ижевск (3412)26-03-58	Мурманск (8152)59-64-93	Санкт-Петербург (812)309-46-40	Череповец (8202)49-02-64
Казань (843)206-01-48	Набережные Челны (8552)20-53-41	Саратов (845)249-38-78	Ярославль (4852)69-52-93