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SPECIFICATIONS

DOCUMENT #W55



Parameters:

Dissolved Oxygen

(DO%, DO% Local, ppm and mg/L)

Temperature

(°C, °F)

Barometric Pressure

(mmHg, inHg, mbar, psi, kPa)

YSI Pro20i Dissolved Oxygen/Temperature Portable Dissolved Oxygen Meter for the Field

Easy to use, rugged and reliable, the YSI Pro20i provides everything you need in a handheld instrument for the measurement of dissolved oxygen (DO). A true field instrument with IP-67 waterproof, rubber over molded case, military spec connectors and 1-meter drop tests ensure durability to provide years of sampling even in the harshest field conditions.

With the Pro20i, accuracy is not compromised for ruggedness. The Pro20i can easily be calibrated for fast, accurate measurements you can trust.

- Integral (i.e. built-in) cable with 1- 4- 10-m field cable
- User-replaceable DO sensors
- One Touch Cal allows for easy DO calibrations within 3 seconds with the press of a button
- Automatic barometric pressure compensation
- Quick response times; T-95 response time in 8 seconds with standard membrane (fastest response time on the market)
- Stores 50 data sets; no need to write down data
- Large graphic, backlit display and glow in the dark keypad, visible in any lighting condition
- Display is visible when wearing polarized sunglasses
- A true field instrument with IP-67, impact-resistant, waterproof case. Waterproof with and without the battery cover.
- Rubber over molded, slip-proof case provides extra durability
- Multiple languages: English, Spanish, French, and German
- Warranty: 3-year instrument, 2-year integral cable, 1-year polarographic sensors, 6-month galvanic sensor

Pro20i System Specifications (Instrument, Probe, and Cable)

Temperature °C, °F	Range	23 to 131°F (-5 to 55°C) 0 to 45°C for DO compensation for mg/L
	Resolution	0.1°F (0.1°C)
	Accuracy	±0.6°F (±0.3°C)
Dissolved Oxygen % Saturation % Local	Range	0 to 500%
	Resolution	0.1% or 1% air saturation (user selectable)
	Accuracy	0 to 200% air saturation, ±2% of the reading or ±2% air saturation, whichever is greater; 200 to 500% air saturation, ±6% of the reading
Dissolved Oxygen mg/L ppm	Range	0 to 50 mg/L
	Resolution	0.01 or 0.1 mg/L (user selectable)
	Accuracy	0 to 20 mg/L, ±2% of the reading or ±0.2 mg/L, whichever is greater; 20 to 50 mg/L, ±6% of the reading
Barometer mmHg, mbar, inHg, psi, kPa	Range	400 to 999.9 mmHg
	Resolution	0.1 mmHg
	Accuracy	±5 mmHg within ±5°C temperature range from calibration point

Pro20i Additional Specifications

Size	8.3 cm width x 21.6 cm length x 5.6 cm depth (3.25 in. x 8.5 in. x 2.2 in.)
Weight with Batteries	475 grams (1.05 lbs.)
Power	2 alkaline C-cells providing ~400 hours of battery life (without backlight); low battery indicator when 1 hour is left
Cables	1- 4- 10-m lengths (3.28, 13.1, 32.8 ft.)
Warranty	3-year instrument; 2-year cable; 1-year polarographic sensors; 6-month galvanic sensors
Salinity Input Range	0-70 ppt; manual (automatically compensates for manual input value)
Data Memory	50 data sets
Languages	English, Spanish, German, French
Certifications	RoHS, CE, WEEE, IP-67 waterproof, 1-meter drop test
Country of Origin	Instrument Assembled in the USA, cable and probe Made in the USA

Pro20i Ordering Information - Full range of accessories available at YSI.com/pro20i

607130	Pro20i-1 P Kit	Dissolved Oxygen and Temperature handheld instrument with 1-meter integral cable and 2003 polarographic sensor kit
607131	Pro20i-1 G Kit	Dissolved Oxygen and Temperature handheld instrument with 1-meter integral cable and 2002 galvanic sensor kit
607125	Pro20i-4 P Kit	Dissolved Oxygen and Temperature handheld instrument with 4-meter integral cable and 2003 polarographic sensor kit
607129	Pro20i-4 G Kit	Dissolved Oxygen and Temperature handheld instrument with 4-meter integral cable and 2002 galvanic sensor kit
607132	Pro20i-10 P Kit	Dissolved Oxygen and Temperature handheld instrument with 10-meter integral cable and 2003 polarographic sensor kit
607133	Pro20i-10 G Kit	Dissolved Oxygen and Temperature handheld instrument with 10-meter integral cable and 2002 galvanic sensor kit
605202		Galvanic Dissolved Oxygen sensor; 5913 (yellow cap) membrane kit included
605203		Polarographic Dissolved Oxygen sensor; 5908 (yellow cap) membrane kit included

YSI

1725 Brannum Lane, Yellow Springs, OH 45387
 Tel +1 937.767.7241 800.897.4151 (US)
info@ysi.com
 @YSIinc
YSI.com

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 Printed in the USA. W55 November, 2016



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