

DigiTrak® F5® Fluid Pressure Transmitter

The long-range DigiTrak® F5® Fluid Pressure Transmitter (Model FPT) provides downhole fluid pressure monitoring up to 250 psi (1725 kPa). The drilling fluid pressure is measured through sensor ports located on the front end cap. The sensor ports are small holes situated on either side of the index slot. The FPT, which comes in two dual-frequency configurations, provides all standard transmitter data, such as roll, pitch, and depth, in addition to the fluid pressure readings. All battery-powered DigiTrak® transmitters enter sleep mode after 15 minutes of inactivity.

Housing Requirements

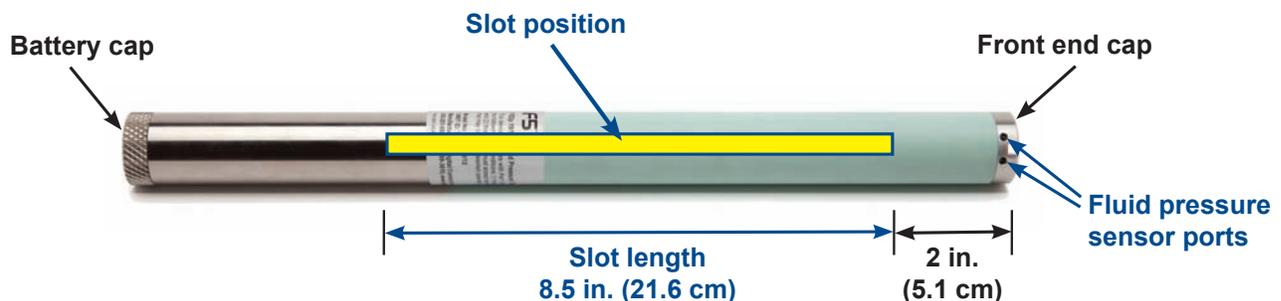
The DigiTrak® F5® Fluid Pressure Transmitter is compatible with existing drill housings that accommodate 15 in. (38.1 cm) DigiTrak® transmitters. The FPT requires a path for fluid to flow from the annulus around the housing to the four sensor ports in the front end cap; slots in the housing will satisfy this requirement. If the slots are epoxied, then a 0.125 in. (3 mm) diameter hole must be installed to allow fluid pressure to be measured by the FPT.

DCI's FPT transmitters require housings with at least three slots equally spaced around the circumference of the housing for optimal signal emission and maximum

Transmitter Specifications

Model number.....	FPT
Part number and frequency	
F5Dp 19/12.....	19.2 or 12 kHz
F5Dp 12/1.3.....	12 or 1.3 kHz
Depth range.....	65 ft (19.8 m)
Pitch sensitivity.....	0.1%
Roll data.....	24-position clock
Pressure range.....	0–250 psi (0–1725 kPa)
Pressure resolution	
0–75 psi (0–517 kPa).....	±1 psi (7 kPa)
75–250 psi (517–1725 kPa).....	±5 psi (34 kPa)
Battery type and life	
2 C-cell alkaline.....	20 hr awake; 200 hr sleep
1 SuperCell™.....	70 hr awake; 400 hr sleep
2 SAFT LSH14.....	40 hr awake; 400 hr sleep
Maximum temperature.....	220°F (104°C)
Diameter.....	1.25 in. (3.175 cm)
Length.....	15 in. (38.1 cm)
Weight (without batteries).....	1.65 lb (748 g)

battery life. The slots must be at least 1/16 or 0.0625 in. (1.6 mm) wide. Slot position and length requirements are shown below; all slot length measurements should be taken from the inside of the housing.



Headquarters
19625 62nd Ave. S., Suite B-103
Kent, Washington 98032 USA
Tel 800-288-3610 / 425-251-0559
Fax 253-395-2800
E-mail DCI@digital-control.com

Europe +49-9391-810-61-00 | DCI.Europe@digital-control.com
Australia +61-7-5531-4283 | DCI.Australia@digital-control.com
India +91-11-4507-0444 | DCI.India@digital-control.com
China +86-21-6432-5186 | DCI.China@digital-control.com
Russia +7-843-277-52-22 | DCI.Russia@digital-control.com

www.digitrak.com