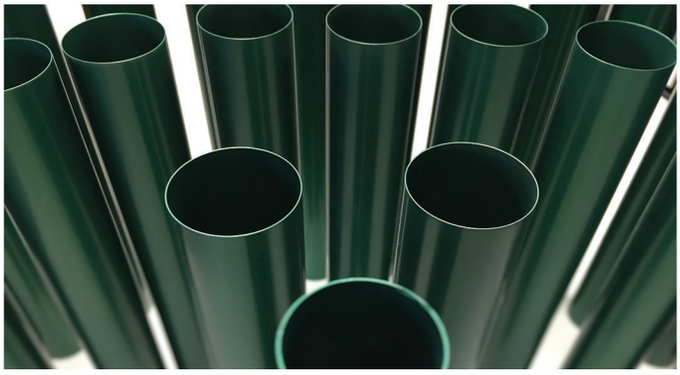
FUSIONXT™

Powered by Enteq Upstream

www.qdctech.com

QDC's FusionXT™ is an innovative integrated MWD directional sensor that incorporates QDC's precision sensor components and high temperature electronics with the well proven DIM and VIBMON™ V2.10 & V1.12 firmware respectively from the Enteq Upstream™ XXT product line. This maintains QDC's outstanding hardware design, manufacturing and warranty protocols.



FusionXT™ combines three separate assemblies that together measured nearly 70" into a mere single 34" chassis - QDC's 175°C QDOM™; XXT DIM™; XXT VIBMON™. The reduced length cuts out two connection points, which are typical failure modes, as well as adds to the rigidity of the mechanical assembly to battle against shock and vibration.

The VIBMON™ incorporates the precision measurements from the QDOM™ to monitor downhole shock and vibration in three axis and provide real-time telemetry to surface. The VIBMON™ visualization on surface provides a valuable aid to the rig crew for avoidance of costly shock and vibration that can lead to downhole equipment failures lower ROP.

FusionXT™ is standard 175°C and is compatible with Enteq's PowerHop™ .

QDC SERVICES

PHYSICAL AND ENVIRONMENTAL SPECIFICATIONS

Parameter	Minimum	Maximum	Unit of Measure
Outside Diameter		1.375	Inches
Length		34	Inches
Uphole Connection		21 pin MDM	
Downhole Connection		15 pin MDM Non-Mag	
Operating Temperature	0	175	Degrees Celsius
Survival Temperature	-40	185	Degrees Celsius
Random Vibration		20	g RMS, 20-500hz
Shock		1000	g .5 msec, half-sine

ACCURACY AND ELECTRICAL SPECIFICATIONS*

Parameter	Maximum	Unit of Measure
Power Consumption	1	Watt
Azimuth	± 1 > 5° Inc	Degree
Azimuth Spread	≤ .2 @ 90° Inc	Degree
Inclination	± .1	Degree
High-Side Toolface	± .1 > 5° Inc	Degree
Dip	± .12	Degree
Total Gravity	± 1	Milli-g
Total Mag Field	± 50	Nano-Tesla

*as shipped

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