

<b>DT 1200W Specifications</b>			
	<b>Unit</b>	<b>Min</b>	<b>Max</b>
<b>Measurement Range</b>			
Pipe diameter	mm	200	1200
Manhole to manhole distance (wired mode)	m	-	150
Manhole to manhole distance (wireless mode)	m	-	-
Cart position accuracy in pipe	mm	-	50
<b>Measurement Accuracy</b>			
Overall measurement accuracy	1 mm or 0.25% of measurement		
Resolution	mm	0.01	1
Linearity	% FS	-	< 0.25
Repeatability (of diameter readings)	% FS	-	< 0.25
<b>Laser Characteristics</b>			
Wavelength (pulsed red)	nm	620	680
Number of lasers	-	5	-
Response time	ms	4	-
Protection class	-	IP64	-
Laser class	-	2	-
Temperature drift	% Sde/K	< 0.02	-
<b>Environmental</b>			
Operating ambient temperature	°C	0	50
Operating relative humidity	% RH	-	80
Storage temperature	°C	0	60
Storage relative humidity	% RH	-	95
<b>Physical</b>			
Reel dimensions <sup>1</sup> (WxHxD)	mm x mm x mm	1000x1200x450	-
Reel weight <sup>2</sup>	kg	65	-
Cart dimensions <sup>3</sup> (WxHxL)	mm x mm x mm	220x185x480	-
Cart weight <sup>4</sup>	kg	12	-
Cart carrying case dimensions (WxHxL)	mm x mm x mm	424x302x630	-
Cart carrying case weight <sup>5</sup>	kg	23	-
<b>Power Requirements</b>			
Reel input voltage	VAC	220	240
Reel input power	Watt	120	-
Cart battery pack voltage	VDC	11.1	-
Cart battery pack rating	mAh	7800	-
Battery running time	h	5	-
Battery full charging time	h	4	-
<b>Other</b>			
180° Fisheye HD camera resolution <sup>6</sup>	Pixels	320x240	1920x1080
Real-time graphic display of measurements			
Off-line playback of completed tests			
Maximum/Minimum vertical and horizontal diameter determination			
Export reports to Microsoft Windows Excel wWorksheets and Adobe Acrobat PDF <sup>7</sup>			
USB socket for data retrieval			
Wired and wireless modes of operation			

<sup>1</sup>With open control panel computer

<sup>2</sup>With 155m of cable

<sup>3,4</sup> Large wheels configuration

<sup>5</sup>With laser cart inside

<sup>6</sup>Camera model could vary depending on the DT model

<sup>7</sup>Customized Excel templates can be built to customer's requirement