

	SONARtrac[®] Technical Note	
	TN0009	
	Subject: Pre-installation work on-site to be performed by Client	
		Date: 30Jul08
		Revision 02
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Summary: This document describes in general the work that should be performed by client prior to arrival by CiDRA for flowmeter installation, and the work to be performed by CiDRA during installation. For best efficiency and to minimize installation cost, it is recommended that the client complete the pre-installation work noted below in section A before the arrival of CiDRA on-site for the installation.

A. To be performed prior to arrival of CiDRA on-site:

- 1) Provision of electrical power to location of transmitter instrument for each flow meter, including placing electrical power cable inside conduit or tubing if required. Work to be performed by customer prior to sensor head installation by CiDRA.
- 2) Provision of 4-20mA line(s) to location of transmitter instrument for each flow meter, including placing 4-20mA line(s) inside conduit or tubing if required. Work to be performed by customer prior to sensor head installation by CiDRA.
- 3) Mounting transmitter instrument at suitable location for each flow meter, using optional pole mounting kit supplied with the system, or using standard panel mounting. Note; cable length ordered should be verified as being sufficiently long to cover the length between sensor head (on pipe) and transmitter instrument mounting location. Work to be performed by customer prior to sensor head installation by CiDRA.
- 4) Mounting of cable between transmitter instrument and sensor head for each flow meter, including placing cable inside conduit or tubing if required. Work to be provided by customer prior to sensor head installation by CiDRA, or after arrival of CiDRA on-site if exact physical location of sensor head is not firmly established.

B. To be performed after arrival of CiDRA on-site:

- 5) Preparation and cleaning of pipe outer surface and mounting of flow meter sensor head on pipe for each flow meter. Work to be performed by CiDRA installer with simultaneous training of customer personnel if customer desires.
- 6) Startup of flow meter system, adjustment of transmitter instrument software to optimize flow meter, and final commissioning of flow meter system. Work to be performed by installer with simultaneous training of customer personnel if customer desires

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Revision History

Rev	Date	Changed By	Approved By	Change Description
01	25 Oct 07	R. Maron	M. Sapack	Initial Release
02	30 Jul 08	B. Markoja	B. Markoja	Revision 2