

Dresser Mechanical Accessories

Dresser Series 3 Meter Accessory Units

Designed for low maintenance and a long service life

- Interchangeability among Series B meter bodies of the same size
- Permanently lubricated for long life and virtually maintenance-free operation
- Modular design allows a quick-change to a different version at a lower overall cost
- Durable, weather resistant cover with improved sealing capability
- Versatile and configurable odometer masking
- Universal Instrument Drive (ID) assembly – one size fits all 8C-56M Series B Meters
- Quick and easy field installation of the low cost Solid State Pulsar
- Available with factory pre-installed magnets for quick installation of the Solid State Pulsar or Model 5 Prover Field Counter Pulsar Module



Counter (CTR)

An 8 digit non-compensated index registers displaced volume in Actual Cubic Feet (ACF) or in Actual Cubic Meters (m3).



Solid State Pulsar (ICPW/ITPW)

The Dresser solid state pulsar mounts directly to a CTR/TC Unit, generating low frequency pulses representing volumetric information for remote reading. Mechanical switches have been eliminated for improved reliability. No battery or maintenance is required.



Temperature Compensated (TC)

Temperature compensation, available in meter sizes 8C-16M, is accomplished by a mechanical computer with a spiral bi-metallic thermocouple (probe) located in a sealed temperature well at the meter inlet. Series 3 TC Units provide corrected gas volume readings to a 60°F (15°C) base temperature for readout in Standard Cubic Feet (SCF) or Normal meters cubed (Nm3) between flowing temperatures of -20°F and +120°F (-29°C and + 49°C).



Counter or Temperature Compensated with Instrument Drive (CD/TD)

The Universal Instrument Drive (ID) Assembly adapts to the CTR and TC Accessory for installation of a corrector, chart recorder, or other externally mounted, mechanically driven device. The ID Assembly is mechanically linked to the CTR/TC mechanical gear reduction unit. One revolution of the instrument drive dog represents a specific displaced volume measured by the meter.

Dresser Series 3A Accessory Units for Series A LMMA Meters – Sizes 1.5M - 16M

The S3A Accessory unit mounts to your LMMA meter – features the same high quality and long-term reliability of the oil-free Series 3 Meter Accessory unit.



Series A (LMMA) Meters with S3A CD and S3A ITPWD



Series S3A TC



Series S3A CTR/AMR Adapter (shown with Itron ERT installed)

Benefits

- Maintenance-free. Oil is not required for the polymer bushings and pre-lubricated, shielded ball bearings making the index environmentally friendly and easier to install and maintain.
- Configurable Masking Options. The S3A's versatile odometer masking design uses opaque or semi-transparent covers, offering configurable, trouble-free masking with no moving parts, hinges, flappers or magnets.
- Easy-to-change ID Rotation. Simply remove two bolts and invert the gear module so the pinion gear is driven at the bottom rather than the top of the horizontal bevel gear.
- Conversion Kit Inventory Reduction. The S3A uses the same #399 conversion kits as the B3 meters. Now you can stock the same Instrument Drive, Pulser or AMR Adapter #399 Kits for both Series Meters – LMMA and Series B3.
- Proving Procedure Simplification. With the S3A, you can prove your LMMA meters the same way you prove your B3 meters – off the odometer test wheel.
- LM-MA Upgrade. The S3A maintenance-free assembly is less expensive and easier-to-read and extending the life expectancy of your LMMA meter (LMMA meter line was obsoleted in 1998) to provide many additional years of reliable service.

Dresser Optional Electronic Products

Dresser ICEX

- Provides a non-compensated, high frequency pulse output
- Mounts on all Series B meter bodies and Series A (LMMA) meters fitted with the S3A Accessory unit
- Available factory installed or as a field installable conversion kit
- Achieves greater reliability by using Solid State components to eliminate mechanical switches
- Reduces maintenance
- Available in three connections styles: MS-style circular connector, 1/2 inch liquid tight type conduit fitting, or cable gland with 4-ft. cable.



Cable Gland Connector



Conduit Connector



Circular Connector

Solid State Transmitter (XMTR)

- High frequency pulse output
- 100 pulses per input shaft revolution
- Solid State circuitry provides a long life expectancy
- Mounts on any standard Instrument Drive
- 10 to 15 VDC



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