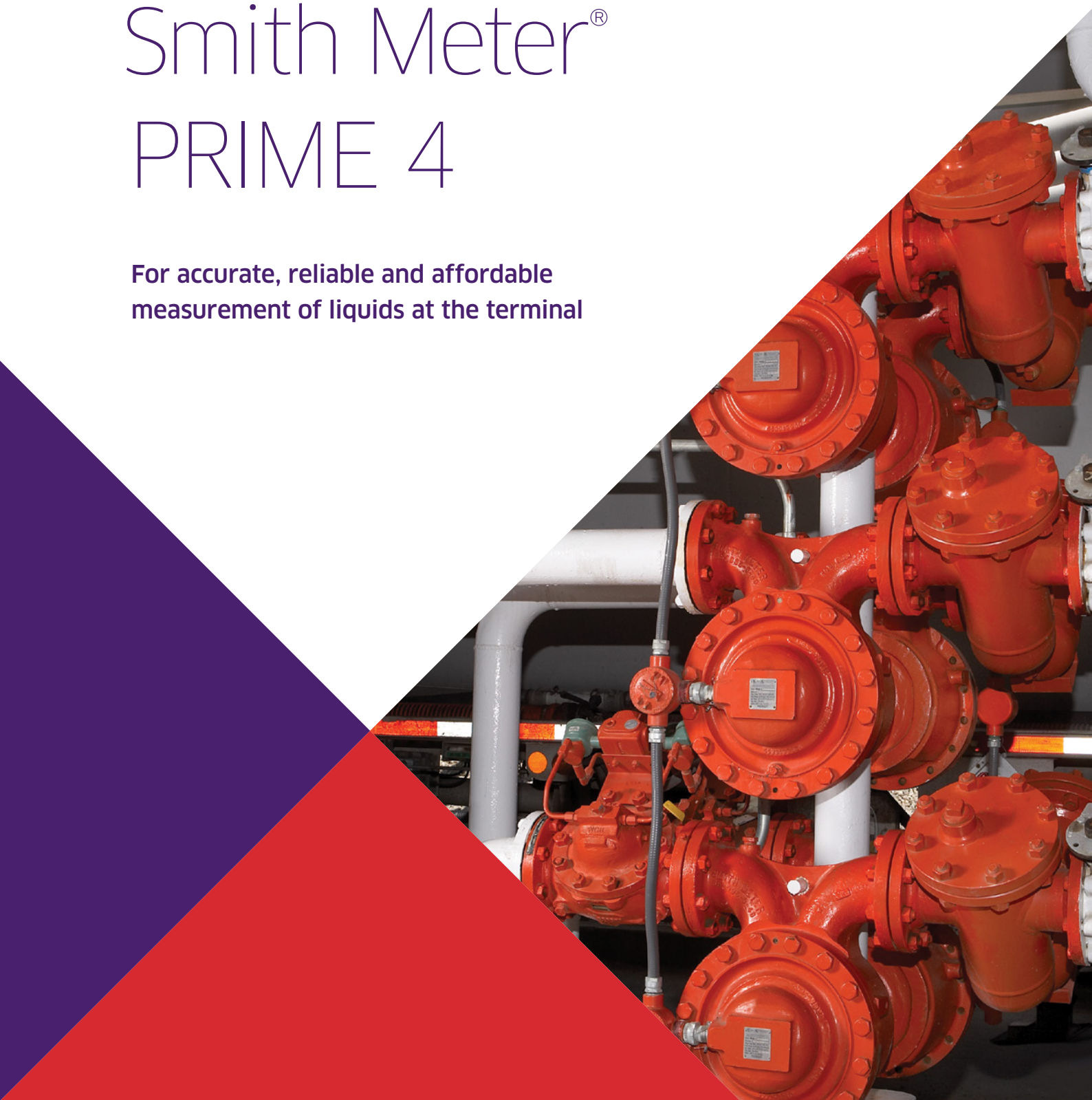
TechnipFMC

Smith Meter® PRIME 4

For accurate, reliable and affordable measurement of liquids at the terminal



Smith Meter PRIME 4

Accurate: Loading rack meters are important to liquid terminals, not only for custody transfer but also for liquid inventory control and leak detection. Liquid measurement numbers that terminal managers rely on are only as good as the meters they use.

The Smith Meter PRIME 4 delivers superior accuracy and stability and meets or exceeds all load rack requirements. Bolstering its enhanced performance are unique features including:

- Polyketone blades
- Super-hardened cam
- Horizontal rotor with long-life journal bearings
- Direct pulse output eliminating the mechanical calibrator

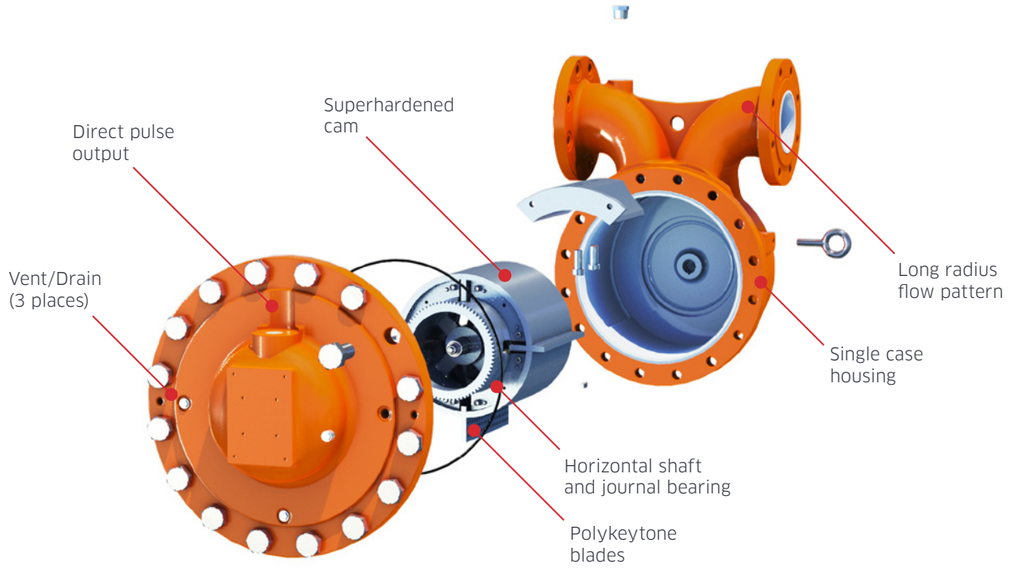
Reliable: The reliability of metering equipment is just as important as its accuracy at the liquid terminal. Because of increased product throughput demands, minimal downtime and maintenance are essential.

The PRIME 4 was engineered and manufactured to ensure trouble-free operation. The packing gland and most bearings have been eliminated, and wear is reduced by using:

- Direct pulse output
- Polyketone blades
- Horizontal rotor with long-life journal bearings
- Only three moving parts

Affordable: In today's industry, equipment value is more important than ever. By using modern materials and manufacturing methods, PRIME 4 delivers the advantages of displacement meter technology at an affordable price.

- Polyketone blades that allow the meter to run at higher speeds with smaller parts
- Direct pulse output, which replaces the more expensive pulse transmitter



Technical specifications	
Line size and end connections	4" ANSI Class 150; DN 100, PN 16; DN 100, PN 25
Flow range	Normal 75-750 gpm (285-2,850 L / min.) Extended gpm 50-900 (190-3,400 L / min.)
Maximum working pressure	285 psig (19 bar) - 4" ANSI 150, 232 psig (16 bar) - DN 100, PN 16; 362 psig (25 bar) – DN, 25 PN
Housing / pressure vessel	Meets the requirements of ASME Boiler and Pressure Vessel Code, Section VIII, and German TUV Code and AD Technical Regulation for Pressure Vessel Design. Canadian CRN's and EU PED certificates are available, Consult factory for other requirements.
Operating temperature range	-20°F to 200°F (-29°C to 93°C) Consult factory for lower temperature.
Weight	310 lb (140 kg.)
Accuracy	Repeatability - better than ±0.02% Linearity - better than ±0.15% over normal flow range Stability - better than ±0.05% per 10 million gallons (38 million litres)
Weights and measures	NTEP (US) CoC #96-099, Measurement Canada (Canada) NOA AV-2323, OIML R117 test report issued by PTB (Germany), PTB issued MID system certificates are available for the EU, INMETRO (Brazil) DIMEL No. 0144. Consult factory for other countries available certificates
Electrical	Pulse output 50 pulses per gallon (13 pulses per litre) Line driver type Dual pulse quadrature (standard). UL / CUL, ATEX, IECEX and Brazilian (INMETRO) Hazardous locations certificates are available.
Materials	Housing and cover - steel / blades - reinforced polyketone / rotor - cast iron / cam - super-hardened steel.

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